Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

New York—Movement is being agitated to construct electric railway from Oneonta to Davenport, through South Worcester and Charlotteville to Summit.

Virginia—Chesapeake & Ohio Railway contemplates an expenditure of $160,000 for new terminal trackage at Newport News. F. I. Cabell, Richmond, Cr. Engr.

West Virginia—Spur will be constructed from Cross Creek Tunnel north to Wellsburg to Follansbee, about three miles, by Wabash R.R. A. O. Cunningham, St. Louis, Mo., Ch. Engr.

West Virginia—Surveys being made by Kanawha, Glen Jean & Eastern R.R. for extension from Tamroy south to Beckley, 8.05 miles. V. Veazey, Mt. Hope, Ch. Engr.

North Carolina—Southern Power Co. plans to build electric railway from Greensboro to Reidsville and Spray, 30 miles. W. S. Lee, Charlotte, Vice-Pres. and Ch. Engr.

Georgia—Savannah & Southern Railway contemplates extension from Willie southwest to Glennville, about 16 miles. W. G. Tuten, Letford, Ga., Gen. Mgr.

Florida—Jacob Brown and J. H. Taylor interested in construction of railway from Ocala to Silver Springs, Fla., about five miles.

Alabama—Press reports state that Alabama, Tennessee & Northern Railway has been purchased by Illinois Central R.R. which plans to extend line to Tuscaloosa, 30 miles. A. S. Baldwin, Chicago, Ill., Ch. Engr., Illinois Central R.R.

Alabama—Surveys made by Gulf, Florida & Alabama Railway for extension from Kimbrough north to Jasper, Ala., 158 miles. G. A. Berry, Pensacola, Ch. Engr.

Louisiana—Louisiana & Arkansas Railway plans to build an extension from Wildsville Junction to Vidalia, La., about 22.59 miles. William Buchanan, Texarkana, Ark., Pres.

Tennessee—Carolina, Greenville & Northern Railway has sold bonds for proposed railway between Bristol and Knoxville, via Kingsport, Newport and Sevierville, about 140 miles. F. A. H. Kelley, Greenville, Tenn., Ch. Engr. Noted Oct. 14.

Tennessee—Surveys being made by Nashville, Chattanooga & St. Louis Railway for spur to Sylvan Mills, about two miles. H. McDonald, Nashville, Ch. Engr. Noted Sept. 23.

Ohio—Cleveland, Alliance & Mahoning Valley R.R., Cleveland, contemplates a double-track line from Warren to Youngstown, via Niles.

Indiana—Gary, Hobart & Eastern Traction Co., Hobart, contemplates construction of 12 miles of track between Hobart and Valparaiso next year. B. J. Schramm, Hobart, Gen. Supt. and Pur. Agt.

Michigan—United Railway Co., Detroit, plans to extend South Dearborn line from River Rouge to Ecorse. F. W. Brooks, Detroit, Gen. Mgr.

Wisconsin—Green Bay & Eastern R.R. incorporated to build an interurban railway from Green Bay to Sheboygan, via Manitowac, about 70 miles. Charles Frazier, Manitowac, interested. Noted Nov. 11.

Iowa—Citizens of Des Moines voted to grant 25-year franchise to Des Moines City Railway Co. Under terms of franchise company will be obliged to expend $1,500,000 for improvements during next three years, including eight mile extension. L. L. Sloss, Des Moines, Pres.

Iowa—Ft. Dodge, Des Moines & Southern R.R., Boone, plans to build railway from Swanwood Junction to Des Moines, about six miles, next year.

Minnesota—Surveys being made for railway from Port Arthur to Duluth, Minn., to be known as Great Northern, Minnesota & Duluth R.R.

Minnesota—St. Paul Southern Electric Railway, St. Paul, plans to build a railway from Hastings to Rochester, 64 miles, during 1916. H. A. Genung, 1615 Pioneer Bldg., St. Paul, Ch. Engr.

South Dakota—South Dakota & Western Railway Co. secured right-of-way for railway from Mitchell to Brule, via Platte. W. L. Bruce, interested. Noted Oct. 21.

Missouri—Kansas City, Lawrence & Tokepa R.R. Co., Kansas City, plans to build about 52 miles of track between Zarah and Topeka next year. F. P. Dickson, Kansas City, Pres, and Pur. Agt.

Arkansas—Cache Valley R.R. plans to build line from Thebes, Ill., to Little Rock, Ark., 246 miles. G. W. L. Brown, Sedgwick, Ark., Asst. Pres., Secy. and Gen. Mgr.

Arkansas—Surveys made by Ft. Smith, Subiaco & Eastern R.R. for line from Scranton to Dardanelle, Ark., 23 miles. Henry Stroup, Paris, Pres. and Gen. Mgr.

Texas—Chicago, Weatherford & Gulf Railway Co., recently incorporated with $250,000 capital stock, plans to construct a railway from Gainesville via Weatherford to Waco, Tex., about 150 miles. L. Decker, Middletown, N. Y., Vice-Pres. and Gen. Mgr.

Texas—Preliminary surveys made by Houston & San Antonio Interurban Electric Railway Co. for proposed railway via Seguin, Zeul, Gonzales Schulenberg and Eagle Lake, about 200 miles. E. Kennedy, Houston, Pres.

Texas—Surveys being made by Lutcher & Moore Lumber Co. for extension of its Gulf, Sabine & Red River R.R., about 35 miles.

Oklahoma—Surveys made for railway from Clinton to Chickasha for Clinton, Oklahoma & Western Railway, also for extension to Oklahoma and from Clinton to Tuttle, via Union City. G. V. McClure, Oklahoma, Ch. Engr. Noted Aug. 26.

Oklahoma—Ft. Smith, Poteau & Western Railway plans to build extension south from Poteau, 10 miles. J. E. Finney, Gen. Mgr.

Oklahoma—Santa Fé System contemplates spur from Sumpter to oil field, northeast of Blackwell, Kay County. C. F. W. Felt, Chicago, Ill., Ch. Engr., Atchison, Topeka & Santa Fé System.

Colorado—Denver & Rio Grande R.R. plans to broad gage 235 miles of its line in Colorado and New Mexico. J. G. Gwyn, Denver, Ch. Engr.

Idaho—Lewiston, Nezperce & Eastern R.R., Lewiston, plans to issue bonds to construct railway to Waha, Idaho. J. P. Vollmer, Lewiston, Vice-Pres.

Idaho—Business men of Pocatello plan to organize Pocatello Transportation and Interurban Co. to construct a railway about seven miles long.

Arizona—Phœnix Railway Co., of Arizona plans to double track its line on West Washington St. to the Capitol. Samuel H. Mitchell, Gen. Mgr.

Oregon—Southern Oregon Traction Co., Medford, plans to extend its line to Ruch and Blue Ledge copper mine, about 30 miles. C. E. Bullis, Medford, Gen. Mgr.

California—City Council granted franchise to Oakland, Antioch & Eastern Railway to build double-track line on M. St. extending westerly to Sacramento River, easterly along M St. to Third St., along Third St. to I St. H. A. Mitchell, San Francisco, Secy. and Gen. Mgr.

California—Western Pacific Railway plans an expenditure of $20,000,000 for new line when same is taken from the hands of receiver. T. J. Wyche, Ch. Engr.

Ontario—Pere Marquette R.R., Detroit, plans to double-track its line between Blenheim and Wilkie, Ont. A. L. Grandy, Detroit, Ch. Engr.

Ontario—Toronto, Hamilton & Buffalo Railway Co., Hamilton, plans to build a railway between Dunville and Port Mailland. H. L. Latham, Hamilton, Ont., Ch. Engr.

Alberta, Edmonton—See item under "Light, Heat and Power."

Bids In and Contracts Awarded

Oklahoma—Henryetta, Oklahoma & Western Railway Co. awarded contract for grading line from Henryetta to Kusa, Dewar and other towns to ALLY BROS. W. T. Croslen, Oklahoma, Pres. Noted Nov. 18 and Dec. 9.

LIGHT, HEAT AND POWER

Proposed Work

N. Y., Lindehurst—See item under "Water-Works."

N. Y., New York—(Borough of Manhattan—(Official)—Bids will be received by John A. Kingsbury, Comr., Dept. of Pub. Charities, Municipal Bldg., until 10:30 a.m., Dec. 20, for new steam supply and return lines between power house and main building of City Hospital District, Blackwell's Island.

N. Y., Sanborn—Plans being considered for electric-light plant.

N. Y., Scriba—Public Service Commission, Oswego, granted franchise to Peoples Gas and Electric Co., Oswego, to install and operate electric distribution system in Scriba.

N. Y., Syracuse—Syracuse Lighting Co. granted franchise by Public Service Commission, Syracuse, for transmission line between Syracuse and Geddes.

N. J., Trenton—New Jersey State Hospital will build addition to its powerhouse.

Penn., Ellwood City—Mahoning & Shenango Valley Electric Co. plans to build transmission line from New Castle to station of Pennsylvania Power Co. in Ellwood City.

Penn., Meadville—City plans to enlarge and improve electric-light plant. Estimated cost, $10,000.

Penn., Norristown—(Official)—Bids will be received by Trustees of State Hospital for Insane of Southeastern District of Pennsylvania until Dec. 30 for center crank automatic engine, alternating current dynamo, switchboard and ventilating fans. W. W. Hibbert, 415 Hale Bldg., Philadelphia, Consult. Engr. (See adv.)

Penn., West Reading—Reading Transit Co. plans to improve its power plant at West Reading. Estimated cost, $300,000.

Md., Baltimore—Press reports state that Columbia Gas and Electric Co., New York, N. Y., will build natural gas pipe line from West Virginia fields to Baltimore. Estimated cost, $10,000,000. A. B. Leach, 149 Broadway, New York, N. Y., Pres.

W. Va., Wellsburg—Company will be organized by American Gas and Electric Co., 30 Church St., New York, N. Y., to build electric-light plant on Ohio River and Pennsylvania R.R. near Wellsburg. Estimated cost, $2,500,000. Sargeant & Lundy, Chicago, Ill., Consult. Engr.

La., Crowley—See item under water works.

Ky., Georgetown—See item under "Water Works."

Ky., Mt. Olive—A. Chandler interested in construction of electric-light plant in Mt. Olivet.

Ohio, Belpre—Proposition to grant franchise to install and operate electric-light plant and water system in Belpre under consideration by Village Council.

Ohio, Norwood—Ault & Wiborg Co., Cincinnati, plan to build boiler and power house addition to its plant in Norwood.

Ohio, Steubenville—American Gas and Fuel Co. plans to build power plant at Beach Bottom near Steubenville. Estimated cost, $2,500,000.

Ind., Miller—City has applied to Public Service Commission for permission to issue $12,500 bonds for electric-light plant.

Ill., Oakwood—City contemplates municipal electric-light plant.

Wis., Waupaca—City and O. G. Nelson Lumber Co. will build power dam across Waupaca River.

Iowa, Fairbanks—Citizens voted $6,000 bonds for electric-lighting system. Noted Oct. 21.

Iowa, Thornton—Thornton Light and Power Co., recently incorporated, will build electric-light and power plant. H. O. Cace, Pres.

Minn., Brown Valley—Ottertail Power Co., Fergus Falls, has purchased local electric-light plant for $13,500. Company will build transmission line to Brown Valley and also extend lines to Beardsley, Peever and Siseton.

Minn., Plummer—(Official)—Bonds for municipal electric-light plant will be sold Dec. 27. Noted Nov. 25.

Kan., Altoona—Plans being considered for electric-light plant in Altoona. Frank Adams of Overleese & Askins, Bartlesville, Okla., interested.

Kan., Coffeyville—(Official)—Election will be held Dec. 28 to vote on $20,000 bonds for municipal electric-light plant. H. H. Deichler, City Clk. Noted Dec. 2.

Kan., Dodge City—Midland Water, Light and Ice Co. plans to extend transmission lines to Bucklin and Ford, about 30 miles.

Kan., Riley—R. B. Fegan, Junction City, applied to City Council for franchise to install and operate electric-light plant in Riley.

Neb., Dawson—Installation of electric-light plant in Dawson under consideration.

Neb., Ruskin—Citizens voted $6,000 bonds for electric-lighting system.

S. D., Revill—Plans being prepared for electric-light plant in Revill.

N. D., Plaza—Construction of electric-light plant in Plaza under consideration.

Mo., Pleasant Hill—Pleasant Hill Light and Power Co. plans to build transmission line from Pleasant Hill to Strasburg.

Ark., Hartford—City plans to install electric-light plant.

Tex., Gainesville—Texas Power and Light Co. plans to install new equipment in its plant next year.

Tex., McKinney—Citizens voted to sell municipal electric-light plant to Texas Light and Power Co. who will improve same. Estimated cost, $100,000.

Tex., Portland—Citizens plan to incorporate town and issue bonds for electric-light plant.

Okla., Ardmore—City contemplates $150,000. bond issue for gas pipe line. J. H. Corlock, City Engr.

Okla., Oklahoma—Plans being considered by Oklahoma Gas and Electric Co. for extending service mains to territory surrounding city.

Ariz., Globe—Arizona Commercial Co. plans to build power plant. Estimated cost, $50,000.

Wash., Prescott—Pacific Power and Light Co., Walla Walla, applied to County Commissioners for permit to build transmission line from Prescott to Waitesburg.

Wash., Prosser—City contemplates election to vote on bonds for municipal electric-light and power plant.

Calif., Loyalton—Election will be held Dec. 27 to vote on $5,000 bonds for municipal electric-light plant. Noted Nov. 11.

Calif., San Pedro—Permit granted F. O. Engstrum Co., Fifth and Seaton St., Los Angeles, for power house for American Trona Co., Pacific Electric Bldg.

Que., Hull—City plans expenditure of $20,000 for extending electric-lighting system. H. Boulay, Clk.

Ont., Kamoka—Town will build hydro-electric power and distribution system. Estimated cost, $10,000. E. R. Barclay, Clk.

Ont., Watford—Plans being prepared for hydro-electric power and distribution plant. Estimated cost, $14,000. W. S. Fuller, Watford, interested.

Alta., Edmonton—Press reports state that G. W. Farrell & Co., St. Francis Xavier St., Edmonton, plans to build power plant and electric railway. Estimated cost, $6,000,000.

Bids In and Contracts Awarded

N. Y., Cape Vincent—LEONARD J. GATES, Cape Vincent, awarded contract for transformer station for Northern Utilities Co., Inc., Watertown.

N. J., Elizabeth—(Official)—Contract for two-story, 100x241-ft. gas accumulator building for American Gas Co. awarded to UNITED FIREPROOFING CO., 8 West 40th St., New York, N. Y. Estimated cost, $60,000.

Ind., Terre Haute—Indiana Gas and Coke Co. awarded contract for gas coke plant to GAS MANUFACTURING CO., Cleveland. Estimated cost, $750,000.

Minn., St. Paul—(Official)—Contract for installing heating and lighting systems in Minnesota Historical Society Building awarded to GEORGE M. McGEARY & SON, St. Paul, at $40,324; and ELECTRIC CONTRACTING CO., St. Paul, at $11,000. See item under "Buildings."

Calif., Keeler—Contract for seven mile transmission line from Keeler to Cerro Gordo mines for Southern Sierras Power Co., Riverside, awarded to M. A. STAMPHER CO., 1821 South Hoover St., Los Angeles.

BRIDGES

Proposed Work

N. Y., Perry—Town Board contemplates rebuilding of Borden Ave. bridge. Estimated cost, $6,000.

N. J., Newark—Report of Bridge Committee recommending an appropriation for preliminary survey of new bridge over Newark Bay between Elizabeth and Bayonne approved by Board of Freeholders of Union County. Noted Dec. 2.

Penn., Johnstown—City, County and Johnstown Traction Co. contemplate concrete bridge. Estimated cost, $75,000. J. W. Cramer, City Clk.

Penn., New Castle—Plans will be prepared by T. A. Gilkey, Engr., for new bridge to replace South Mill St. bridge.

Penn., Pittsburgh—City contemplates concrete or steel bridge across Greenfield Ave. Estimated cost of former, $100,000; latter, $65,000. George S. Webster, City Engr.

N. C., Bryson City—Bids will be received until Dec. 20 by Swain County Highway Commission for four 40-ft. span and one 300-ft. concrete bridges. T. M. Howerton, Bryson City, Engr.

Tenn., Bristol—Southern Ry. plans to build bridge across railway tracks at English St. Estimated cost, $7,000. B. Herman, Washington, D. C., Ch. Engr.

Ohio, Bridgeport—Bids will soon be received for repairing bridges at an estimated cost of $7,000.

Ind., Jeffersonville—Pennsylvania R.R. will build double-track bridge across Ohio River between Jeffersonville and Louisville, Ky. Estimated cost, $2,500,000.

Kan., Lawrence—Date for receiving bids for bridge on county line between Douglas and Franklin Counties extended from Nov. 6 to Jan. 3. Noted Oct. 28.

Neb., York—Bids will be received until noon, Jan. 11, by the Commissioners of York County for steel and concrete bridges for 1916. A. H. Beck, County Clk.

Mo., Valley Park—W. A. Koons is interested in proposition to bond city for $150,000 for constructing bridge and culverts in St. Louis County.

Tex., Marshall—Citizens voted $50,000 bonds for viaduct over tracks of Texas & Pacific Railway. Noted Nov. 4 and 11.

Okla., Purcell—Election to vote on $100,000 for bridge work in McClain County has been postponed indefinitely. Noted Dec. 2 and 9.

Calif., Sacramento—Bids will be received by State Highway Commission, 515 Forum Bldg., Los Angeles, until 2 p.m., Dec. 27, for bridge across Petaluma Creek at Green Point.

Bids In and Contracts Awarded

N. Y., New York—(Borough of Manhattan)—(Official)—Lowest bids received Dec. 9 for constructing Unionport bridge over Westchester Creek were as follows: Rodgers & Hagerty, Inc., $195,511; William J. Rodgers, $199,399; H. D. Robinson, $208,103. Noted Nov. 25.

Penn., Harrisburg—(Official)—Contract for bridge across Four Mile Creek, Harborcreek Township, Erie County, awarded to LININGER & BENNETT, Conneaut Lake, Ohio, at $3,994. Robert J. Cunningham, State Highway Comr. Noted Dec. 2.

Penn., Philadelphia—Bids were received Dec. 8 by Department of Public Works for (a) Annsbury St. and North Pennsylvania R.R. bridge, (b) Orthodox St. bridge, as follows: (a) Donato Delise, Philadelphia, $41,410; Peoples Bros., Philadelphia, $43,999; T. F. Reilly, Philadelphia, $46,000; (b) Richard Walsh & Sons, Inc., Philadelphia, $23,750; Donato Delise, Philadelphia, $24,600; J. D. Domey, Philadelphia, $24,990. George S. Webster, City Engr. Noted Dec. 2.

Va., Hanover—(Official)—All bids received Nov. 24 for reinforced-concrete bridge over Little River, Hanover County, rejected. Noted Nov. 18.

Miss., Leakesville—(Official)—Contract for bridge across Chickasawhay River awarded to VINCENNES BRIDGE CO., Vincennes, Ind., at $8,289. Noted Oct. 21 and Nov. 18.

Tenn., Jackson—Contract for three highway bridges awarded to NASHVILLE BRIDGE CO., Nashville, at $8,850.

Ohio, Warren—(Official)—Contract for superstructure of South Main St. bridge awarded to OREGONIA BRIDGE CO., Lebanon, at $8,200. Noted Dec. 2.

Ind., Wabash—(Official)—Contract for Huntington St. bridge awarded to JANSE BROS., BOOMER, HUGHES & CRAIN CONSTRUCTION CO., Detroit, Mich., at $42,498. A. W. Grovenor, Ft. Wayne, Engr. Noted Dec. 2.

Mich., Detroit—(Official)—Contract for wrecking burned Belle Isle Bridge awarded to CANDLER DOCK AND DREDGE CO., 305 Moffat Bldg., Detroit, at $4,250, plus approximately 800 tons of salvaged wrought iron. R. H. Hidey, Engr.

Ill., Chicago—(Official)—Lowest bids received Dec. 2 by Sanitary District of Chicago for superstructures of Calumet Sag bridges were as follows: Milwaukee Bridge Co., Milwaukee, Wis., North Rd. bridge, $5,970; Paper Rd. bridge, $11,033; 48th Ave. bridge, $4,073; Homan Ave. bridge, $10,556; Kedzie Ave. bridge, $3,158; Francisco Ave. bridge, $3,158; Chicago Bridge and Iron Co., Chicago, Ill., Archer Rd. bridge, $3,900; Western Ave., bridge, $6,900; Division St. bridge, $3,300; Ann St. bridge, $3,450; Chicago St. bridge, $3,450. Noted Nov. 18.

Kan., Wathena—Contract for reinforced-concrete bridge across Peters Creek awarded to J. H. WAGENKNECHT, Wathena, at $5,477. Noted Nov. 4.

Ark., Osceola—Contract for eight bridges awarded to MIDLAND BRIDGE CO., Kansas City, Mo., at $7,869; draw bridge across Little River to VINCENNES BRIDGE CO., Vincennes Ind., at $5,850.

Okla., Miami—Contract for five bridges for Ottawa County awarded to CONCRETE STEEL AND CONSTRUCTION CO., Joplin, Mo., at $4,240.

Idaho, Parma—(Official)—Contract for steel bridge across Boise River at Parma awarded to MISSOURI VALLEY BRIDGE AND IRON CO., Leavenworth, Kan., at $18,580. Noted Oct. 7 and Nov. 4.

Calif., Sacramento—(Official)—Contract for plate girder bascule bridge near easterly side of Yolo By-Pass awarded to SECURITY CONSTRUCTION CO., 38th and Alameda St., Los Angeles, at $24,671. Noted Nov. 11 and Dec. 9.

Que., Hammond—Contract for bridge awarded to A. BEAUCHESNE, Arthabaska. Estimated cost, $4,000.

WATER-WORKS

Proposed Work

Mass., Bernardston—Citizens voted to petition the Legislature to allow town to establish water system. Estimated cost, $30,000.

Mass., Fitchburg—City will soon make loan of $250,000, $130,000 of which will be used for improving water-works.

Conn., Bridgeport—Bridgeport Hydraulic Co. will develop its water shed in Saugautuck Valley.

Conn., Collinsville—Plans being considered by Collinsville Water Co. for filtration plant.

N. Y., Batavia—Contract for filtration plant and pumping station will be awarded next spring. Estimated cost, $135,000. Chester & Fleming, Pittsburgh, Penn., Engr. Noted Nov. 4.

N. Y., Buffalo—See item under "Miscellaneous."

N. Y., Lindenhurst—Plans prepared for water system and electric-light plant. Estimated cost, $125,000.

N. Y., New York—(Official)—Bids will be received by William Williams, Commissioner of Water Supply, Gas and Electricity, Municipal Bldg., until 2 p.m., Dec. 24, for furnishing apparatus and appurtenances for applying liquid chlorine to Croton water-supply at Dunwoodie, Yonkers, N. Y.

N. Y., New York—(Official)—Bids will be received by William Williams, Commissioner of Water Supply, Gas and Electricity, until 2 p.m., Dec. 24, for furnishing and erecting a frame building for use as boiler house at the Clove pumping station.

N. Y., New York—(Borough of Manhattan)—See item under "Miscellaneous."

N. J., Butler—Butler Water Co. will extend water system to Lake Keiko next spring. Estimated cost, $12,000. Noted Aug. 26.

N. J., Far Hills—L. V. Ludlow and associates plan the organization of local water company, to install and operate system for Far Hills and Bedminister.

N. J., Keyport—People's Water Co., Keansburg, has applied to Township Committee for bonds for the installation of water system.

Penn., Leighton—City will have plans prepared for water system. A. J. Snyderm, Borough Secy. Noted Nov. 30.

Md., Baltimore—City contemplates installation of water meters in all buildings, except two-story buildings with frontage of 12-ft. Estimated cost, $1,500,000. H. K. McKay, City Engr.

W. Va., Charleston—City Council contemplates municipal water system.

S. C., Johnston—Citizens will hold election to vote on $40,000 bonds for water-works and sewers.

Ga., Columbus—City contemplates reservoir at Pumpkinton Ferry. W. C. Campbell, City Engr.

Ga., Tifton—See item under "Sewers."

Fla., Homestead—Citizens voted $40,000 bonds for construction of water works plant.

Fla., Lake Worth—City will issue $20,000 bonds for water works system.

Ala., Camden—(Official)—Citizens voted $15,000 bonds for water system. B. H. Matthews, City Clk. Noted Nov. 24.

La., Crowley—Citizens will issue $35,000 bonds for water works and electric light.

La., De Ridder—Plans being prepared for water works system by Xavier A. Kramer, Magnolia, Miss. Bids will be called for in about 60 days.

Ky., Bowling Green—Contract will soon be awarded for sedimentation basin at water plant.

Ky., Georgetown—City has purchased a site for water-works and electric-light plant.

Ohio, Belpre—See item under "Light, Heat and Power."

Ohio, Cleveland—City plans to issue $500,000 bonds for improving water system. Charles F. Schultz, Comr. of Water-Works.

Ohio, East View—(Warrensville post office)—Bids will be received until noon, Jan. 17, for sale of $15,095 bonds, for water mains and sewers in East View Ave.

Ind., Orleans—Citizens will construct a water-works system. Estimated cost, $50,000.

Mich., Escanaba—Citizens voted on amendment permitting the issue of bonds for water system. City plans to purchase plant of North Michigan Water Co. for which appraisal is now being made. W. J. Hodson, City Engr. Noted Nov. 18.

Mich., Grand Rapids—Citizens voted $23,000 bonds for installation of water works system. L. E. Stevens, City Engr.

Mich., Saginaw—(Official)—Citizens defeated $750,000 bonds for water system. Noted Oct. 21.

Mich., Watervleit—Bonds for $23,000 voted by citizens for pumping station and water system.

Ill., Galesburg—Bids will be received by William L. Boutelle, City Clk., until Dec. 20, for tubular deep well, about 2,500 ft. deep. F. L. M. Connolly, City Engr.

Minn., McKinley—Citizens voted at special election to enlarge and extend water-works system. Estimated cost, $8,500.

Minn., Tracy—Elevated tank of about 75,000-gal. capacity will be constructed by city.

Kan., Chanute—Citizens contemplate improvement of municipal water works system. Estimated cost, $29,000.

Kan., Humbolt—Citizens contemplate improvement of municipal water works system. Estimated cost, $10,000.

Kan., Hutchinson—Citizens contemplate two-mile extension to water-works system during 1916. Edward Metz, City Clk.

Mo., Kansas City—(Official)—Bids will be received Jan. 12, for steam turbine, reduction gear, centrifugal pumping unit for water-works. Burton Lowther, Ch. Engr. (See adv.)

Ark., Hartford—City contemplates construction of water works.

Tex., Dallas—City will lay new water pipes along Oakcliff St. Estimated cost, $21,500. J. M. Preston, City Engr.

Tex., Elgin—Bonds for $10,000 sold for sinking artesian well. Noted July 29 and Aug. 12.

Tex., Grants Pass—City plans to hold election to vote on $80,000 bonds for municipal water system.

Tex., Texarkana—Citizens voted to improve water-works system.

Tex., Tyler—City will hold election Jan. 23 to vote on $250,000 bonds for municipal water system. H. E. Elrod, Dallas, Consult. Engr. Noted Nov. 18.

Okla., Oklahoma—Plans being prepared for water system. Election will probably be held next March to vote on bonds for same.

Wash., Seattle—City Council contemplates water mains in the following streets: 24th Ave. N. W.; Orcas St. from 42d to 41st Ave. S.; 51st Ave. S.; 14th Ave. N.W., from West 75th to West 85th; Seventh Ave. N.W.; West 55th St. from Sixth to Eighth Ave. N.W.; West 56th St.

Calif., San Francisco—(Official)—The sale of $43,287,000 bonds for Hetch Hetchy project has been canceled. M. M. O'Shaughnessy, City Engr. Noted Nov. 11.

N. S., Glace Bay—Plans for new pumping unit at water-works being prepared by A. McKinnon, City Engr. Estimated cost, $10,000.

Ont., Blenheim—Pere Marquette R.R., Detroit, Mich., is having plans prepared for water system at Blenheim. J. J. Corcoran, Supt.

Ont., New Toronto—City Council considerating installation meters in connection with new water system. Hugh Thomas, Supt.

Ont., Sarnia—City Council considering extensions to water-mains. Estimated cost, $12,000. J. D. Stewart, City Clk.

Ont., Stratford—City plans to lay new water main on Wellington and Britannia St. A. B. Manson, City Engr.

Man., Winnipeg—(Official)—Bids will be received until noon, Dec. 29, by Commissioners of Greater Winnipeg Water District, for the supply of one steam operated dragline excavator. S. H. Reynolds, Chn. (See adv.)

Man., Winnipeg—City will lay water main on Talbot Ave. from Kent St. to east city limits. Estimated cost, $7,000. W. P. Brereton, City Engr.

Man., Winnipeg—City will lay water mains on Academy Rd. and Centennial St. Estimated cost, $13,000. W. P. Brereton, City Engr.

B. C., Port Coquitlam—City plans to install water system next spring. Estimated cost, $100,000. J. R. McKenzie, Mayor.

B. C., Victoria—Plans being considered by Water-Works Department for water main in Douglas St. from end of Sooke Lake pressure main to Herald St. Estimated cost, $4,500. C. H. Rust, City Engr.

Bids In and Contracts Awarded

N. Y., Le Roy—According to press reports, Board of Water and Light Commissioners awarded contract for additional storage tank in connection with new water-works system to PITTSBURGH-DES MOINES STEEL CO., Pittsburgh, Penn. Estimated cost, $5,200. Noted Nov. 25.

Ala., Citronelle—(Official)—Contract for water system awarded to J. W. GURLEY, Mobile. Noted Nov. 25.

Ohio, Ashtabula—Contract for laying water mains across Ashtabula River awarded by Ashtabula Water Supply Co., to GILLEN & CO., Ashtabula. Chester & Fleming, Pittsburgh, Penn., Engr.

Ohio, Upper Sandusky—Contract for installation of low service pump awarded to HARRIS PUMP & SUPPLY CO., Pittsburgh, Penn. Chester & Fleming, Pittsburgh, Penn., Engr. Noted Nov. 4.

Ill., Wheaton—(Official)—Contract for 2,000,000-gal. tank awarded to MEMPHIS STEEL CONSTRUCTION CO., Greensburg, Penn. Estimated cost, $8,843. Noted Dec. 9.

Iowa, Marshalltown—(Official)—Contract for pump for water system awarded to ALLIS-CHALMERS CO., Chicago, Ill. Estimated cost, $14,485. Noted Dec. 9.

Neb., Lincoln—AMERICAN CAST IRON PIPE CO., Birmingham, Ala., at $8,000, awarded contract for 5,200 ft. of 12-in. c.-i. pipe.

Utah, Salt Lake City—Bids were received Nov. 24 for constructing storage dam in Parley's Cañon, as follows: P. J. Morgan, 152 West Second St., at $117,052 and $216,587, alternately, on Ambursen type, and at $226,212, on arched type, completed dam; Parrott Bros., at $75,290, on multiple-arch type, first unit, and at $138,839 on completed dam, and $88,670, arched concrete type, first unit. Noted Sept. 16 and Oct. 14.

Ont., Brockville—City Council will lay water mains in Cedar, James, Charles and Pearl St., by day labor. G. H. Bryson, City Engr.

Ont., Hespeler—Contract for water works pumping station awarded to GRILL BROS.

B. C., Port Moody—Contract for water system awarded to ROBERTSON-GOODSON CO., Vancouver, at $37,050. Noted Dec. 9.

SEWERS

Proposed Work

R. I., Providence—Bids will be received Dec. 20, for furnishing sewer pipe, branches, etc., for Department of Public Works. W. C. Polkey, City Clk.

N. Y., New York—(Borough of Manhattan)—Bids will be received by Marcus M. Marks, Borough Pres., until Dec. 20, for improving sewer in East 70th St.

N. Y. New York,—(Borough of Manhattan)—See item under "Miscellaneous."

N. Y., Oneonta—Plans being prepared for sewage disposal plant. Estimated cost, $45,000. F. M. Gurney, City Engr. Noted Nov. 11.

N. Y., Wappingers Falls—Bonds for $15,000 voted for sewer system. H. L. Sterling, Wappingers Falls, Engr.

S. C., Johnston—City plans to vote on $40,000 bonds for sewers and water-works.

Ga., Tifton—Citizens plan election to vote on $100,000 bonds for sewer system and water-works.

Fla., Gainesville—Citizens voted $21,000 bonds to extend sewer system.

Fla., Gainesville—See item under "Streets and Roads."

Ohio, Cheviot—(Cincinnati post office)—Bids will be received until noon, Dec. 22, for sewer in Beech St. from Harrison to Mozart Ave. Albert J. Reusing, City Clk.

Ohio, Cleveland—Bids will be received by A. R. Callow, Commissioner of Purchases and Supplies, City Hall, until noon, Dec. 23, for construction of nine sewers in various streets. Robert Hoffman, 405 City Hall, Engr.

Ohio, Dayton—Contract will soon be awarded for 61,000 ft. of sewer pipe. Estimated cost, $10,000.

Ohio, East View—(Warrensville post office)—See item under "Water-Works."

Ohio, Mansfield—Bids will be received until Dec. 23, for improvement of sewer in Reed and Tremont St., also construction of 8-in. sanitary sewer. W. R. Kuhn, Secy. Bd. of Control.

Ohio, New Comerstown—(Official)—Bids for sewage-disposal plant will not be received until the spring. Estimated cost, $60,000. E. Beaty, City Engr. Noted Nov. 11.

Ohio, Painesville—Bids will be received by F. A. Tuttle, Dir. of Pub. Ser., until Dec. 22, for constructing sewers. Estimated cost, $38,750. F. N. Downer, City Engr. Noted Dec. 9.

Ohio, Toledo—Plans being prepared by L. A. Boulay, City Engr., for a sewage pumping station between Glendale Ave. and limits of Maumee. Estimated cost, $40,000.

Ohio, Toledo—County Commissioners plan to build sewer from Sylvania Ave. to Ten Mile Creek, about 1½ mi. L. A. Boulay, County Engr.

Ohio, Xenia—Contract will be awarded some time this winter for sewage-disposal plant. Estimated cost, $60,000. Noted Oct. 14 and Nov. 11.

Ohio, Youngstown—City contemplates over 40 miles of sewers. F. M. Lillie, City Engr.

Ind., Anderson—Citizens will hold election to vote on sewer system in Third St. from Madison Ave. to Sycamore St.

Ind., Indianapolis—Board of Public Works approved expenditure of $114,560 for new sewer in Warman Ave.

Mich., Bad Axe—Citizens voted $38,500 bonds for sanitary sewer system.

Mich., Flint—E. C. Shoecraft, City Engr., has recommended an appropriation of $137,000 for storm and sanitary sewers during 1916 which has been approved by City Council.

Mich., Grand Rapids—Plans prepared by J. R. Rumsey, Consult. Engr., for sewage-disposal plant at Kent County Home.

Mich., Grand Rapids—Citizens plan to construct a sewage-disposal plant. Estimated cost, $1,500,000.

Mich., Jackson—Citizens plan to construct sewage disposal plant.

Ill., Peoria—Plans being prepared by L. D. Jeffries, City Engr., for sewer system in Second Ward. Bids will be received in spring.

Ill., West Chicago—Citizens voted to construct sewer system. Estimated cost, $130,000. Noted Oct. 7.

Wis., Beloit—City plans to build storm sewers next year. G. E. Heebink, City Engr.

Wis., La Crosse—City plans to award contract next March for extetnding sewer system. George Bradish, City Engr. Noted Sept. 30.

Wis., New Lisbon—City will not install sewer system until next spring. W. G. Kirchoffer, 24 North Carroll St., Madison, Engr. Noted Dec. 9.

Wis., Superior—City plans to construct sewers at an estimated cost of $40,000 to $100,000.

Wis., West Allis—City will build sewage-disposal plant.

Iowa, Mason City—Contract for sewage disposal plant will be let about Jan. 6. Estimated cost, $100,000. Noted Dec. 2.

Ia., Northwood—City Council plans sewerage system in Northwood.

Ia., Rock Island—City Council plans sewer. Estimated cost, $4,500.

Minn., Benson—City retained S. B. Gardner, Engr., Benson, to make preliminary survey for sanitary sewer and sewage-treatment plant. About $16,000 available for this purpose.

Minn., Duluth—City will construct sewer in Billings Park District, and alley between Washington and New York Ave. from 21st to Belnap St.

Minn., Minneapolis—According to press reports City Council plans expenditure of $100,000 for deep tunnel sewers. Carl Illstrup, City Sewer Engr.

Minn., St. Paul—Bids will be received by A. Hohenstein, City Pur. Agt., until 10:30 a.m., Dec. 20, for sewer in East St Claussen, City Engr. Noted Dec. 9.

Neb., Lincoln—Contract will soon be awarded for storm sewer in J St. Estimated cost, $6,500. T. H. Berg, City Clk.

Neb., Omaha—City plans to award contracts for sewer work early next year. Estimated cost, $100,000. E. E. Brush, City Engr.

S. D., Alexandria—(Official)—Citizens recently voted against installation of sewer system. Noted Dec. 2.

Mo., Brookfield—Plans prepared for sewer system in District No. 34. Bids will soon be received.

Mo., Jefferson—Plans being prepared for construction of storm sewers in Walnut and McCarty St.

Ark., Rogers—Bids will be received until Dec. 20, by Charles S. Applegate, Secy. Bd. of Sewer Improvements, for sewer system in District No. 3.

Tex., Belton—The Attorney General refused approval of $40,000 bonds for sewer system. City Council has ordered another election to be held Jan. 4. Noted Dec. 2.

Tex., Graham—Citizens will hold election to vote on bonds for sewer system.

Tex., Houston—City will build storm sewers in Leeland Ave. and Andrew St., from Main to Crosby St., in Day and Eagle Ave. from West Alabama Ave. to San Jacinto St. and Hathaway Ave. E. E. Sands, City Engr.

Ont., Alvinston—Town Council is considering improvements to sewers. W. J. Weed, City Clk.

Ont., Brockville—Town Council will install electric sewage pump at the Fair Grounds Military Camp. George Bryson, City Engr.

Ont., Gulph—City Council plans to construct sewers in Mitchell, Galt and Fergus St. F. McArthur, City Engr.

Ont., London—City Council plans sewers in Dundas and Adelaide St. H. A. Brazier, City Engr.

Ont., Toronto—Bids will be received until noon, Dec. 21, by Board of Control, for constructing sewers on various streets. C. H. Rust, City Engr.

Bids In and Contracts Awarded

Mass., Boston—(West Roxbury)—Contract for sewer work in Saville St., West Roxbury, awarded to WILLIAM L. DOLAN, 44 Tower St., West Roxbury, at $6,375.

N. Y., New York—(Borough of Bronx)—Official—Lowest bidder for sewer and connections was Briggs & McLaughlin Contracting Co., at $4,230.

N. J., Linden—Township Committee awarded contract for installation of sewer in Wood Ave. to MATHEW WADE, Elizabeth.

N. J., Ridgefield Park—Fred E. Gross, Yonkers, submitted lowest bid for sewer system in West View Section, at $27,794. Noted Dec. 2.

Penn., Philadelphia—Contract for sewer work at foot of Snyder Ave. awarded to D. A. CONAN, 1345 Arch St., Philadelphia, at about $22,000.

Penn., Philadelphia—Robert F. Higgins, 4642 Lancaster Ave., Philadelphia, submitted lowest bid, at $70,000 for Rock Run sewer.

Md., Baltimore—Board of Awards received bids Nov. 24 for Section No. 1, Waverly trunk sewer and lateral sewers in District No. 34-D, Contract No. 168 and 169, as follows: (a) Frank Carozza, $40,126; W. H. & C. F. Thompson, $10,000 F. B. Beasman & Co., $10,322; (b) Thomas Hampton Co., $9,888; Frank Carozza, $10,240; F. B. Beasman & Co., $10,402.

S. C., Charleston—Contract for pipe drains in portions of Poplar, Romney and various other streets awarded to CHARLESTON ENGINEERING AND CONTRACTING CO., Charleston, at $16,780.

Tenn., Cleveland—Contract for reinforced-concrete sewage disposal plant awarded to CONCRETE-STEEL CONSTRUCTION CO., Cleveland. W. C. Kirkpatrick, Birmingham, Ala., Engr.

Ind., Indianapolis—Contract for Ohio and Harding St. sewer, awarded to COLUMBIA CONSTRUCTION CO., Indianapolis. B. J. D. Jeup, City Engr.

Mich., Harbor Beach—(Official)—Contract for sanitary sewer system and disposal plant awarded to McHALEY & EDWARDS, Milan, Mich. Estimated cost, $16,209. Noted Dec. 2.

Ill., Chicago—All bids received Dec. 2 for Calumet Intercepting sewer, Contract No. 4 rejected by Board of Trustees of Sanitary District. Noted Nov. 4.

Ill., Dixon—HATCH & MONTAGUE, Niles, at $51,555, awarded contract for concrete tunnels at State Epileptic Colony near Dixon, and LOGAN & GIERTZ, at $27,700, for sanitary sewers. Noted Nov. 18.

Minn., South St. Paul—(Official)—Contract for sewer in Third St. and Third Ave. awarded to TANNER BROS., St. Paul. Estimated cost, $24,490. Noted Nov. 4.

Idaho, Bonners Ferry—(Official)—Contract for sewer system and sewage-disposal plant awarded to CLIFTON APPLEGATE CO., Spokane, Wash. Estimated cost, $23,493.

Calif., Lodi—Bids have been rejected for furnishing city with 1,300 ft. of 18-in. sewer pipe.

Ont., Berlin—Contract for pumps for new sewage-disposal plant awarded to CANADIAN ALLIS-CHALMERS, LTD. Estimated cost, $4,402.

Ont., London—Contract for sewers on Egerton and William St. awarded to BLIGHT & FIELDER.

Garbage

Proposed Work

N. Y., Perry—City contemplates garbage disposal plant.

Va., Norfolk—W. R. Russell, Supt. of St. Cleaning Dept., has recommended installation of new garbage incinerator in Norfolk.

Ind., Ft. Wayne—(Official)—Bids will be received at office of Board of Public Works until 3 p.m., Jan. 3, for construction of garbage incinerator. H. W. Becker, Clk. Noted Aug. 5 and Oct. 21. (See adv.)

Ont., Crowland—J. G. Stephenson, Welland, contemplates garbage-disposal plant. Estimated cost, $20,000.

STREETS AND ROADS

Proposed Work

Conn., Hartford—Bids will be received by State Highway Commission until 2 p.m., Dec. 21, for constructing road in Branford, Thompson, Cornwall and Portland Townships and city of Norwalk.

N. Y., New York—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., Dec. 23, by Douglas Mathewson, Borough Pres., for improving Odell St. from Unionport Rd. to Starling Ave.; Newbold Ave. from Catsle Hill to Zerega Ave.; Waterbury Ave. from Westchester Ave. to Zerega Ave.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received until noon, Dec. 20, by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., for repairing asphalt pavements on marginal streets and piers, North, East and Harlem Rivers; also on Dec. 21 for wood-block pavement in the team gangways and wagon-way spaces of the municipal ferryboats "Manhattan," "Bronx," "Queens," "Brooklyn," "Richmond," "Bayridge," "Gowanus," "Nassau" and "Mayor Gaynor."

N. Y., Schoharie—Board of Supervisors of Schoharie plans to construct 17 miles of roads in Schoharie County.

N. J., Haddonfield—Bonds for $55,000 sold. Proceeds will be used for improving streets.

N. J., Newark—Board of Freeholders plans to improve Roseville Ave. with wood block pavement.

N. J., New Brunswick—Bids will be received by Board of Freeholders of Middlesex County until Dec. 20 for repairing eight miles of Cranbury Turnpike.

N. J., Newton—Board of Freeholders of Sussex County will apply to State Road Commission for appropriation of $10,000 for road improvements. E. A. Stevens, Comr.

N. J., Ocean Grove—(Official)—Bids will be received by Frank P. Butcher, Township Clk., 75 South Main St., until 7:30 p.m., Dec. 27, for paving South Main St. (See adv).

N. J., Wildwood—Board of Freeholders of Cape May County, Cape May C. H., will resurface boulevard from Wildwood to mainland. Estimated cost, $80,000.

Penn., Eldred—(Official)—Bids will be received by G. W. Russell, Pres., Eldred Borough Council, until 8 p.m., Dec. 22, for improving Main St.

Md., Baltimore—Bids will be received until Dec. 22 by R. Keith Compton, Chn. Paving Comn., for paving Pratt St. from Linwood Ave. to east city limits. M. K. McCay, City Engr.

Md., Baltimore—City plans to widen St. Paul St. from Lexington to Hamilton St.

Va., Abingdon—Bonds for $18,000 sold by Board of Supervisors of Washington County for road construction on Kinderhook District.

Va., Pulaski—City Council plans to improve Randolph Ave. from Fifth to 14th St.

W. Va., Martinsburg—Bids will be received next spring for approximately 7,000 sq.yd. asphalt or brick pavement. E. D. Bromley, St. Comr.

W. Va., Terra Alta—Citizens of Preston County voted $265,000 bonds for road work.

N. C., Wilson—Bonds for $130,000 sold for street improvements. Noted Sept. 23.

Ga., Mason—City Council plans to pave Coleman Ave. with concrete.

Fla., Gainesville—Citizens voted $21,000 bonds for paving portion of University Ave. and extending sewer system.

Fla., Kissimmee—Bids will soon be received for paving Main St. with brick. Estimated cost, $12,000.

Fla., Tampa—Bids will be received by D. B. McKay, Chn., Comrs. of Pub. Wks., until Dec. 20, for 112,650 sq.yd. asphalt block pavement and 3,500 sq.yd. concrete pavement.

Ala., Dothan—Bids will be received by A. C. Crawford, Chn. of Bd. of Revenue, until Dec. 30, for road from Dothan toward Midland City, seven miles.

Ala., Eutaw—Commissioners of Greene County plan an expenditure of between $10,000 and $15,000 for highway from Eutaw to Finch's Ferry.

Ala., Monroeville—Bids will be received by County Board of Revenue until Dec. 27 for grading, draining and surfacing with gravel section of Old Federal Rd. P. W. Turner, County Engr.

Ala., Opelika—Bids will be received by County Commissioners until Dec. 27 for sand clay road. Estimated cost, $11,000. W. S. Keller, Montgomery, State Highway Engr.

Ala., Rockford—Bids will be received by County Commissioners until Jan. 11 for grading and topsoiling Rockford and Kellyton Rd., about 4½ miles.

La., New Orleans—(Official)—Bids will be received at office of Highway Department of Board of State Engineers, Room 104, New Orleans Court Bldg., until noon, Jan. 3, for section of Gretna-Belle Chasse Highway, Plaquemines Parish. W. E. Atkinson, State Highway Engr.

Tenn., Athens—Commissioners of McMinn County contemplate $100,000 bond issue for road construction.

Ky., Harlan—Election will be held Feb. 12 to vote on $250,000 bonds for road construction.

Ohio, Defiance—Bonds for $25,000 will be sold by County Commissioners for road improvements.

Ohio, East Cleveland—City will sell $25,000 bonds Jan. 4 for improving Terrace Rd. E. L. Hickey, City Audr.

Ohio, East View—(Warrensville post office)—Bids will be received by Charles E. Burger, Clk., East 143d St., until noon, Jan. 17, for improving East View Ave. Estimated cost, $29,800.

Ohio, Kenton—City will pave West Franklin St. Estimated cost, $19,500.

Ohio, Lisbon—(Official)—Bids will be received until 1 p.m., Dec. 27, by Village Trustees for improving East Liverpool Lisbon Rd. H. C. Armstrong, Lisbon, County Highway Supt.

Ohio, Painesville—Bids will be received by city until Dec. 22 for 5,942 sq.yd. brick paving on Richmond St. F. N. Downer, City Engr.

Ohio, Painesville—Plans prepared by F. N. Downer, City Engr., for 6,360 sq.yd. brick pavement on Jackson St.

Ind., Anderson—Bids will be received until Jan. 8 by the Commissioners of Madison and Delaware Counties for improving highway on line between counties. Joel B. Beneffel, Audr. Madison County.

Ind., Crawfordsville—Bids will be received by B. B. Engle, Audr., Comrs. of Montgomery County, until 10 a.m., Jan. 4, for road in Ripley Township.

Ind., Franklin—Bids will be received by H. L. Knox, Audr., Comrs. of Johnson County, until 2:30 p.m., Dec. 31, for two gravel roads.

Ind., Greenfield—Bids will be received by L. Woods, Audr., Comrs. of Hancock County, until 10 a.m., Jan. 3, for gravel road in Jackson Township.

Ind., Marion—Bids will be received by E. H. Kimball, Audr., Comrs. of Grant County, until 2 p.m., Jan. 4, for road in Center Township.

Ind., New Castle—Bids will be received by P. A. Walford, Audr., Comrs. of Henry County, until 10 a.m., Dec. 31, for road in Harrison Township.

Ind., Noblesville—Bids will be received by W. O. Horton, Audr., Comrs. of Hamilton County, until 10 a.m., Jan. 4, for road in Noblesville Township.

Mich., Grand Rapids—Board of Public Works will pave Union Ave., with bituminous concrete, from Pleasant to Franklin St. L. E. Stevens, City Engr.

Mich., Iron River—An election will be held Dec. 27 to vote on $40,000 in bonds to improve a number of streets.

Mich., Watervliet—At recent election citizens voted to extend Butternut St.

Joliet, Ill.—Board of Local Improvements plans to pave Cass St. with brick; estimated cost, $32,987.

Ill., Rockford—(Official)—Bids will be received by W. W. Bennett, Pres., Bd. of Local Improvements, until 1:30 p.m., Dec. 22, for paving with brick portions of Kishwaukee St. (See adv.)

Ill., Rock Island—City plans to pave Eighth Ave. and 24th and 29th St. with asphalt. Estimated cost, $15,052.

Ill., Sterling—City plans to pave Third St. and Sixth Ave. Estimated cost, $80,000. A. G. Hubbard, Engr.

Wis., Baraboo—City will construct about 9,000 sq.yd. of pavement and 5,000 lin.ft. of gutter. Estimated cost, $10,000. A. E. French, City Engr.

Wis., Caledonia—Election will soon be held to vote on $8,000 bonds for road improvements.

Wis., Oshkosh—City will improve number of streets and avenues during 1916.

Minn., Rochester—City plans to pave North Broadway. J. C. Utton, City Engr.

Neb., Omaha—Bids will be received by City Commission until Dec. 28 for paving in District No. 1438, 1545, 1548 and other districts, about five miles. E. E. Bruse, City Engr.

S. D., Sioux Falls—Plans being considered by Commissioners of Minnehaha County for improving 125 miles of highway within next few years. Estimated cost, $500,000.

Mo., Cleveland—Kansas City-Joplin Short Route Rock Road Association organized to build rock road between Cleveland and Joplin.

Mo., Marshall—Election will be held Feb. 19 to vote on $1,310,000 bonds for 92 miles of rock roads.

Mo., Nevada—Election will soon be held to vote on rock surfacing about 250 mi. of roads.

Mo., Sweet Springs—Citizens plan to establish district to rock surface eight miles of road. Estimated cost, $50,000.

Orange, Tex.—Citizens defeated $50,000 bond issue for roads and bridges. Noted Oct. 28.

Idaho, Wallace—(Official)—Bids will be received by W. W. Smith, Chn. of Finance Com., until Jan. 15, for paving and improving streets of District No. 4. Robert Merriam, City Engr. Noted Dec. 2.

Utah, Logan—City plans to pave about 30,000 sq.yd. with concrete. Roy Ballen, City Engr.

Ariz., Flagstaff—Election will soon be held to vote on $200,000 in bonds for hard surfacing roads in Coconino County.

Ariz., Tucson—Plans being prepared by W. C. Goetz, County Engr., for mountain resort road, about 19 miles, and commercial roads. Estimated cost, $100,000 and $300,000 respectively.

Wash., Olympia—Contract for paving will will be awarded early next year. Estimated cost, $11,000. J. B. Weddell, City Engr.

Wash., Seattle—Report submitted to Board of Public Works by A. H. Dimock, City Engr., estimating cost of paving Burke Ave. at $50,000.

Ore., The Dalles—Commissioners of Wasco County plan $340,00 bond issue for constructing roads.

Calif., Los Angeles—Bids will be received by Board of Supervisors of Los Angeles County until 2 p.m., Dec. 27, for concrete pavement on southerly five miles of Mint Cañon Rd., Section A, Rd. Dist. No. 5. Estimated cost, $68,000.

Calif., Ontario—Bids will be received until Jan. 10 by the City Council for the improvement of East State St. and Euclid Ave.

Calif., Santa Monica—City Council plans to pave Beach Rd. from Colorado St. northward to Santa Monica Cañon outlet. Estimated cost, $50,000.

Ont., Leamington—Town Council considering paving Mill and Russell St. with concrete. R. M. Selkirk, Clk.

Bids In and Contracts Awarded

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for improving 96th St. from Second Ave. to point east of easterly house line of Lexington Ave. awarded to W. J. FITZGERALD, 547 West 45th St., New York, at $7,186. Noted Nov. 18 and Dec. 2.

N. J., Perth Amboy—Contract for improving High, First and Commerce St. and Hall, Watson, Brighton and Catalpa Ave. awarded to OLIVER W. RAMSAY, Perth Amboy, at $110,000.

Penn., Greensburg—Frank T. Byers, Mt. Pleasant, at $23,-841, submitted lowest bid for brick road in Mt. Pleasant Township.

Penn., Philadelphia—Contract for granolithic walks in Clarence Clark Park awarded to D. A. CONAN, 1345 Arch St., Philadelphia, at about $5,000.

W. Va., Princeton—(Official)—Contract for 6¾ miles of water bound macadam road in Mercer County awarded to SULLIVAN, TILSON & CARTER, Bluefield, at $28,936. Noted Nov. 18.

N. C., Charlotte—(Official)—Contract for 17,500 sq.yd. of paving awarded to A. H. GUION, Gastonia, at $20,505. Noted Nov. 4 and Dec. 2.

La., Franklin—Contract for road between Franklin and Iberia awarded to PERRY BONNER.

Ky., Albany—(Official)—John G. Huff & Co., at $8,640, submitted lowest bid for three miles of macadam road.

Ohio, Columbus—Lowest bids received Dec. 3 by State Highway Commission for road work were as follows: Cincinnati-West Union Rd., Hamilton County, 1.11 miles, H. W. Curry & Co., Eaton, $14,350; Cincinnati-Chillicothe Rd., Hamilton County, 0.94 mile, Warren Bros. Co., Boston, Mass., $13,-100; Lancaster-Logan Rd., 1.35 miles, R. G. Culbertson, Richmond, Ind., $20,756; Mansfield-Millersburg Rd., 1.59 miles, Philip Dieffenbacker, Massillon, $26,800; Pomeroy-Jackson Rd., 0.29 mile, John Lindsay, Middleport, $6,000; Findlay-Tiffin Rd., 2.59 miles, G. W. Eicher, Fostoria, $16,839; Urbana-Marysville Rd., John J. Porter, Marysville, $4,631; West Unity-Montpelier Rd., 2.09 miles, Kelley Construction Co., Bryan, $19,196; Cincinnati-Louisville Rd., 1.74 miles, H. W. Curry & Co., Eaton, $11,828; Cincinnati-West Union Rd., 0.90 miles, H. W. Curry & Co., Eaton, $5,200. Noted Nov. 25.

Ind., Brazil—(Official)—Contract for two roads in Harrison Township awarded to JOHN WEATHEUVAX, Clay City, at $4,964. Noted Nov. 11.

Ind., Brookville—Contract for macadam road in Franklin County awarded to F. W. WILSON, Brookville.

Ind., Delphi—Contract for road work in Carroll County awarded to WILLIAM MANLEY, Frankfort, at $18,973. Noted Sept. 23 and Oct. 28.

Ind., Franklin—Contract for road in Johnson County awarded to BROWN & PITCHER, Trafalger, at $6,127.

Ind., Kentland—(Official)—Contract for macadam road in McClellan Township awarded to F. A. CAMBLIN, Morocco, at $5,960. Noted Nov. 11.

Ind., Kokomo—Contract for road in Howard County awarded to JAMES H. WATSON & CO., Kokomo, at $10,933.

Ind., Mt. Vernon—Contract for road work in Posey County awarded to MT. VERNON CONSTRUCTION CO., Mt. Mernon, at $5,968; and L. J. UTLEY, Bethel, at $3,549.

Ind., Muncie—Commissioners of Delaware County awarded contracts for road work as follows: FRANK HINES, at $10,-390, for Edward C. Schwar Rd., Mt. Pleasant Township; LORING S. GATES, at $4,990, for John B. Jackson Rd., Perry Township; FRANK HINES, at $2,290, for Thomas Hiatt Rd., Mt. Pleasant Township; BORTER ROSS, at $3,995, for Lewis E. Oxley Rd., Perry Township. Noted Nov. 18.

Ind., Salem—FRED SIMPSON, Salem, at $8,690, awarded contract for road work in Washington County.

Iowa, Idagrove—Contract for paving awarded to NATIONAL ROOFING CO., Omaha, Neb., at about $97,000. Noted Nov. 18.

Minn., St. Paul—All bids received for improving Arcade St. have been rejected.

Mo., Kansas City—SMITH BROS. awarded contract by J. C. Nichols Realty Co. for grading 58th St., 58th St. Terrace, 59th St. Terrace, Huntington Rd. and Bellevue Ave.

Mo., Sedalia—(Official)—Contract for 9,200 sq.yd. of vertical fiber brick paving awarded to W. MENEFEE, Sedalia, at $1.64 per sq.yd. Noted Oct. 21 and Nov. 11.

Ark., Pocahontas—H. C. NIXON, Argenta, awarded contract for pike road from Revenden Springs to Ravenden Station.

Okla., Muskogee—(Official)—H. B. Wilson, at $8,000, submitted lowest bid for road improvements in Muskogee County. J. B. Clonts, County Engr. Noted Nov. 11.

Wash., Bellingham—KNUTE SAUSET, Bellingham, at $17,-625, awarded contract for paving South Elk and 11th St.

Wash., North Yakima—(Official)—S. A. Shockley, Outlook, at $4,570, submitted lowest bid for Permanent Highway No. 1[illegible] and Cascade Construction Co., Seattle, at $4,935, for Permanent Highway No. 17. O. E. Brashears, County Engr.

Calif., San Jose—J. W. McDONALD, JR., Monadnock Bldg., San Francisco, at $13,930, awarded contract for paving San Carlos St.

Calif., San Mateo—Contract for paving awarded to FEDERAL CONSTRUCTION CO., Sharon Bldg., San Francisco, at $8,432.

INDUSTRIAL WORKS

Proposed Work

Mass., Lynn—Plans being prepared for four-story, 50x100-ft. factory at 17 Stewart St., for Campbell Electric Co.

Mass., Maplewood—(Boston post office)—H. H. Kelly Co. will build two-story, 40x120-ft. factory. Estimated cost, $20,000.

Mass., Worcester—Bids will soon be received for superstructure of one-story, 60x62-ft. garage and salesroom for J. Francis Southgate, 5 Crown St. Estimated cost, $15,000. C. S. Ziroli, 306 Main St., Arch.

Conn., New Haven—According to press reports plans are being prepared for extensive additions to plant of Maxim Munitions Co.

Conn., New Milford—Lonsdale Linen Co., Lonsdale, R. I., purchased site at New Milford for large bleachery.

Conn., Stamford—American Cupro Nickel Co. will build rolling mill on Fairfield Ave. Emmens & Abbott, Arch.

N. Y., Buffalo—Farmamel Manufacturing Co., Inc., purchased site at Chandler St. and New York Central R.R. for grain elevator and feed mill.

N. Y., Buffalo—Contract will soon be awarded for garage for Charles M. Peabody, 588 Main St. Estimated cost, $20,000.

N. Y., Buffalo—Pierce Arrow Motor Car Co. will build two-story addition to plant at 1661 Elmwood Ave. Estimated cost, $12,000.

N. Y., New York—(Borough of Bronx)—Plans prepared by Wesley S. Bessell, Arch., 3 West 29th St. (Borough of Manhattan), for garage at Webster Ave. and 170th St., for Manderkin Building Co. Estimated cost, $10,000.

N. Y., New York—(Borough of Bronx)—Official)—Plans prepared by Homer A. Reid, Arch., 347 Fifth Ave. (Borough of Manhattan), for two-story, 85-95-ft. ice and cold-storage plant on 170th St. near Third Ave. for Tremont Fireproof and Refrigerating Co. Estimated cost, $60,000.

N. Y., New York—(Borough of Bronx)—Official)—Plans being prepared by Richard A. Wright, Arch., 233 Broadway (Borough of Manhattan), for one-story, 76x127-ft. factory for Sigmund Ullman Co., Park Ave. and 146th St. Estimated cost, $15,000.

N. Y., New York—(Borough of Brooklyn)—(Official)—Plans prepared by Shampan & Shampan, Arch., 772 Broadway (Borough of Manhattan), for one-story, 85x90-ft. building at Bedford Ave. and Prospect Pl., for Triangle Holding Co., 44 Court St., to be used for auto showrooms. Estimated cost, $35,000.

N. Y., New York—(Borough of Manhattan)—Plans being prepared by J. A. Fitzpatrick, Arch., 71 Broadway, for factory at Montgomery and Water St., for Butwell Building Corporation, 120 Broadway. Estimated cost, $125,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Plans being prepared for garage on 127th St. near Broadway by J. M. Felson, Arch., 1133 Broadway, for Klein Operating Co. Estimated cost, $20,000.

N. Y., Poughkeepsie—C. F. Hoag Co. plans to build factory and fire tower at Poughkeepsie.

N. Y., Poughkeepsie—Fred Smith plans to build two-story, 38x142-ft. garage. Estimated cost, $40,000. W. J. Beardsley, 49 Market St., Arch.

N. Y., Utica—Linde Air Products Co. purchased site on Walnut St., between Schuyler and Stark St., for plant.

N. J., Elizabeth—Plans prepared by F. G. Ring, Arch., 280 North Broad St., for machine shop for S. L. Moore & Sons Corporation. Estimated cost, $200,000. Other additions will be made later which will aggregate $1,500,000.

N. J., Rockaway—Plans being prepared for one-story, 173x300-ft. shop for International High Speed Steel Co., 99 Nassau St., New York, N. Y.

Penn., Chambersburg—Chambersburg Ice and Cold Storage Co. has increased its capital stock from $20,000 to $50,000 and will use proceeds for enlarging its plant on Grant St.

Penn., Oakmont—Plans being prepared for three-story, 150x300-ft. factory for Autocar Co., 23rd and Market St., Philadelphia. Stearns & Castor, Stephen Girard Bldg., Philadelphia, Arch.

Va., Pulaski—Press reports state that New York capitalists plan to build an iron plant. Estimated cost, $500,000. K. Thomas, Engr., New York, N. Y., interested.

W. Va., Chester—Chester Rubber Tire and Tube Co. plans to build one-story addition to its plant. Estimated cost, $20,-000. Philip Freshwater, Gen. Mgr.

N. C., Shulls Mills—Sawmill and dry kilns will be constructed by Boone Fork Lumber Co., Elizabethton, Tenn. Estimated cost, $100,000. M. Miller, Supt.

S. C., Clover—Company will be organized by M. L. Smith, Secy.-Treas. of Clover Cotton Manufacturing Co., with $200,000 capital stock, to build cotton yarn mill.

Ala., Dothan—Home Guano Co. contemplates expenditure of $75,000 for enlarging and improving its plant. M. L. Hannahan, Gen. Mgr.

La., Slidell—Salmen Brick and Lumber Co. plans to build a sawmill with a daily capacity of 150,000 ft. E. H. Michel, Whitney-Central Bank Bldg., New Orleans, Sales Mgr.

Tenn., Nashville—Golden Grain Co., recently incorporated, contemplates construction of cereal mill. W. M. Carr and H. G. O'Kain interested.

Ohio, Cleveland—Cleveland, Akron & Canton Terminal Railway Co. will build ten-story warehouse. Estimated cost, $1,000,000. O. C. Barber, Pres.

Ohio, Cleveland—Cleveland Machine and Manufacturing Co. contemplates one-story pattern storage building. Estimated cost, $20,000.

Ohio, Columbus—Farmers' Fertilizer Co. contemplates plant for manufacture of sulphuric acid. Estimated cost, $200,000.

Ohio, Dayton—W. A. Apple & Co., 343 Cincinnati Rd., plans to rebuild its factory recently destroyed by fire. Estimated cost, $15,000.

Ohio, East Palestine—W. S. George Pottery Co. plans to build one and two-story, 150x400-ft. factory and office building. W. S. George, Pres.

Ohio, Girard—Carnegie Steel Co., Youngstown, plans to build plant near Girard. Estimated cost, $10,000,000. Thomas McDonald, Dist. Supt.

Ohio, Kent—Plans being prepared by W. C. Owen & Co., Arch., Leader News Bldg., Cleveland, for two-story factory for Mason Tire and Rubber Co. Estimated cost, $60,000. O. M. Mason, Pres. Noted Dec. 2.

Ohio, Lima—Solar Refining Co. contemplates an expenditure of $700,000 for enlarging and improving its plant.

Ohio, Mansfield—Mansfield Sheet and Tin Plate Co. will build a 140x240-ft. finishing mill to cost approximately $65,000.

Ohio, Shadyside—Belmont Casket Co. contemplates expenditure of $40,000 for addition to its plant.

Ohio, Springfield—Preliminary plans prepared for one-story, 50x200-ft. garage for city. Estimated cost, $20,000. R. C. Gotwald, 54 Gotwald Bldg., Arch.

Ohio, Springfield—Plans being prepared by W. E. Russ, Merchants National Bank Bldg., Indianapolis, Ind., for four-story, 300x300-ft. addition to plant of Robbins & Myers Co. Estimated cost, $150,000. C. F. McGilvray, Pres. Noted Dec. 9.

Ohio, Steubenville—Bids will be received about Jan. 1 by Steubenville Ice Co. for two-story ice plant. Estimated cost, $20,000. G. E. Wisener, Pres.

Ohio, Steubenville—Bids will be received next spring for four-story warehouse for Steubenville Stone Co., 513 Market St. Estimated cost, $30,000. Peterson & Clark, National Bldg., Arch.

Ohio, West Carrollton—Bids will soon be received by Dexter & McCleur, Arch., 405 Canby Bldg., Dayton, for two-story, 75x102-ft. factory for West Carrollton Parchment Co. Estimated cost, $10,000.

Ind., Indian Harbor—Inland Steel Co. plans an expenditure of $5,000,000 for improvements at its plant.

Mich., Grand Rapids—Michigan Railway contemplates one-story, 125x180-ft. warehouse on Mt. Vernon Ave. Estimated cost, $10,000. G. B. Ross, Jackson, Mich., Pur. Agt.

Ill., Chicago—Peoples Laundry Co. will build one-story addition to plant to cost $10,000. F. W. Fischer, 9154 Commercial Ave., Arch.

Wis., Madison—(Official)—Bids will be received some time in January for meat-packing plant for Farmers Coöperative Packing Co. Gardner & Lindberg, 1130 South Dearborn St., Chicago, Ill., Arch. Estimated cost, $200,000. Noted Dec. 2.

Wis., Milwaukee—Morawetz & Co., 217 East Water St. plan to build two-story, 80x120-ft. addition to its plant.

Wis., Mineral Point—P. O. Vivian will build a machine shop and garage to cost $10,000.

Wis., Oshkosh—Plans being prepared by Fluor Bros., Construction Co., Arch., 511 State St., for two-story, 40x80-ft. factory for Carver Ice Cream Co., 714 South Main St.

Wis., Oshkosh—Morgan Lumber Co. plans to build three-story, 80x194-ft. factory next spring. Estimated cost, $25,000. Fluor Bros. Construction Co., 511 State St., Arch.

Iowa, Des Moines—Plans prepared by F. W. and E. B. Clarke, Archs., Omaha, Neb., for three-story, 45x160-ft. warehouse for Farmers Coöperative Produce Co. Noted Dec. 9.

Kan., LeHunt—(Sycamore post office)—Sunflower Cement Co. contemplates an expenditure of $100,000 for improving and enlarging its plant.

Mont., Great Falls—Great Western Sugar Co. plans three or four sugar factories in States of Montana and Nebraska. First factory will be built at Great Falls.

Mo., Kansas City—Plans prepared by S. B. Tarbot & Co., Arch., for two-story, 100x120-ft. laundry for Graham Domestic Laundry Co. Estimated cost, $30,000.

Mo., Kansas City—Plans being prepared by C. M. Williams, Arch., Rialto Bldg., Kansas City, for five-story reinforced-concrete storage and warehouse for J. R. Hulse Storage and Transfer Co.

Mo., St. Louis—Warehouse of Belcher Sugar Refining Co., Main and Ashley St., purchased by Booth Fisheries Co., Chicago, who plan to build addition. Estimated cost, $50,000.

Mo., St. Louis—The Larmore Ice Cream Co. will build factory on Easton Ave. Estimated cost, $15,000. J. C. Donovan, Arch.

Mo., St. Louis—Plans being prepared by Barnett, Haynes & Barnett, Arch., Century Bldg., for eight-story publishing house for Pulitzer Publishing Co., 212 North Broadway. Estimated cost, $200,000. Noted Aug. 19.

Mo., St. Louis—Contract will be awarded in March by J. L. Wees, Arch., 410 Commercial Bldg., for seven-story, 100x250-ft. warehouse and river terminal for St. Louis River Front and Dock Association. Estimated cost, $250,000.

Tex., Dallas—Burgoyne Bros., Hugo, Okla., purchased site at Dallas for lumber mill to cost $80,000.

Tex., Dallas—Expenditure of $50,000 is planned for enlarging and improving Dallas Cotton Mills.

Tex., Galveston—See item under "Miscellaneous."

Tex., Lockhart—Lockhart Oil Mill Co. will rebuild cotton-seed oil mill recently destroyed by fire. Estimated cost, $50,000.

Okla., Tulsa—Crosbie & Mitchell plan to construct five-story, 100x140-ft. storage warehouse. Estimated cost, $75,000. C. Winkler, Tulsa, Arch.

Wash., Seattle—Plans being prepared for four-story, Class "A" warehouse at Juneau and Atlantic St. for Oregon-Washington R.R. and Navigation Co. Estimated cost, $50,000.

Calif., Los Angeles—Union Wax and Parchment Co., Hamburg, N. J., purchased site at 50th and Alameda St., Los Angeles, for one-story, 261x396-ft. factory.

Calif., Martinez—W. S. O'Brien plans to construct cement and asphalt plant. Estimated cost, $20,000.

Calif., San Dimas—Plans prepared for pre-cooling plant for San Dimas Orange Growers' Association. Estimated cost, $50,000. C. M. Gay & Son, 335 Towne Ave., Engr.

Calif., San Francisco—Workman Packing Co. has plans for reinforced-concrete packing plant on Seventh St. near Harrison St. Estimated cost, $25,000. C. H. Workman, 180 Erie St., San Francisco, Pres.

Ont., Leamington—S. G. Morse plans to build warehouse. Estimated cost, $25,000.

Ont., Toronto—Automobile Supply Co. will build four-story showroom and garage at 249 Simcoe St. Estimated cost, $50,000.

B. C., Vancouver—American Can Co. contemplates four-story, 125x130-ft. addition to plant at 535 Railway Ave. M. Bigger, Mgr.

Bids In and Contracts Awarded

Mass., Holyoke—Contract for addition to wire mill of D. W. Princeton & Co. awarded to P. J. KENNEDY CO., Holyoke, at $12,000.

Mass., Holyoke—Smith Tablet Co. awarded contract for brick addition to its plant to LYNCH BROS. BRICK CO., 206 High St., Holyoke. Estimated cost, $18,000.

Mass., Indian Orchard—Contract for addition to plant of Fiberoid Co. on Worcester St. awarded to D. W. MELLEN, 293 Bridge St., Springfield.

Conn., Hartford—Contract for rebuilding factory of S. Donchian Rug Co., 205 Pearl St., recently destroyed by fire, awarded to ROBERT PORTENS, 13 Forest St., Hartford. Estimated cost, $10,000.

Conn., Norwich—Contract for addition to plant of Joseph Hall Woolen Mills awarded to DOYLE & MURPHY, Willimantic.

Conn., Stamford—Richards & Co. awarded contract for one-story, 93x186-ft. storage building on Ludlow St. to J. W. FERGUSON CO. Estimated cost, $10,000.

Conn., West Hartford—Contract for a foundry for J. M. Craig, 79 Arch St., awarded to J. H. GROZIER CO., 721 Main St., West Hartford. Estimated cost, $10,000.

N. Y., Buffalo—BRASS BROS. CO., Niagara Falls, awarded contract for group of farm buildings to include dairy, grain elevator, etc., for J. C. Dold, 745 William St., Buffalo. Estimated cost, $40,000.

N. Y., Dansville—Contract for four-story addition to plant of Blum Shoe Co. awarded to A. J. WERDEIN, at $15,000.

N. Y., Gates—Contract for addition to factory of H. Symington Co. awarded to A. FRIEDERICH & SONS CO., Mill St., Rochester. Estimated cost, $25,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract awarded to CHAMPLIN CONTRACTING CO., 103 Park Ave., for six-story, 100x100-ft. garage and service station on 67th St. near West End Ave., for Hudson Motor Garage of New York, 1842 Broadway. Noted Nov. 25.

N. Y., New York—(Borough of Queens)—(Official)—Contract awarded to FOUNTAIN & CHOATE, 110 East 23rd St. (Borough of Manhattan), for six-story, 117x217-ft. factory at Skillman and Foster Ave., Long Island City, for Gustav Sandblom, 30 East 42nd St. (Borough of Manhattan). Estimated cost, $110,000. Noted Dec. 9.

N. J., Athenia—Athenia Steel Works awarded contract for steel plant to J. J. O'LEARY CO., 500 Bloomfield Ave., Passaic. Estimated cost, $40,000.

N. J., Elizabeth—Contract for two additions to plant of F. H. Kalbfleisch, Baltic and Third St., awarded to SCHULER CEMENT CONSTRUCTION CO., Waverly, N. J.

N. J., Newark—G. T. Casebolt, 1005 Broad St. awarded contract for garage, automobile sales room and machine shop to BECKER CONSTRUCTION CO., 361 Grove St., Newark.

N. J., Paterson—Contract for ice houses and automatic conveyer for Thomas H. Alyea awarded to GUNN-VAN DALE CO., 31 Clinton St., Newark, at $40,000.

N. J., Shadyside—(Edgewater post office)—(Official)—JOHN W. FERGUSON CO., New York, N. Y., awarded contract for manufacturing building for General Chemical Co.

N. J., Trenton—Stokes Rubber Co. awarded contract for two-story, 100x110-ft. manufacturing building to SCOTT & DAY. Estimated cost, $12,500.

Penn., Harrisburg—Blough Manufacturing Co., Riley and Fulton St. awarded contract for four-story factory to J. POMRAINING, 1918 North Second St., Harrisburg, at $10,000.

Penn., Lancaster—Contract for warehouse for David Miller awarded to I. M. WINTER, 45 South Queen St., Lancaster. Estimated cost, $10,000.

Penn., Manayunk—A. T. Baker Co., Main and Carson St. awarded contract for factory to BARCLAY, WHITE & CO., Perry Bldg., Manayunk, at $10,000.

Penn., Marcus Hook—Contract for two buildings for Benzol Products Co. awarded to F. W. VAN LOON, Denckla Bldg., Philadelphia. Estimated cost, $45,000.

Penn., Philadelphia—A. L. CARHART, at $16,000, awarded contract for addition to plant of Barrett Manufacturing Co., Margaretta and Bermuda St.

Penn., Philadelphia—CHARLES COOPER, Philadelphia, at about $35,000, awarded contract for three-story, 100x100-ft. ice cream factory at 3333 Ludlow St. for Supplee Alderney Dairies Co. Noted Nov. 25 and Dec. 2.

Penn., Philadelphia—Contract awarded by Philadelphia Steel and Forge Co. to BELMONT IRON WORKS for factory buildings at Milnor and Bleigh St. Estimated cost, $10,000.

Penn., Pittsburgh—Contract for three-story addition and alterations to ice plant of Consolidated Ice Co., 13th and Pike St. awarded to NICOLA BLDG. CO., Farmers Bank Bldg. Estimated cost, $25,000.

Penn., Pittsburgh—Contract for addition to plant of Pittsburgh Gage and Supply Co., 13th and Liberty St. awarded to L. H. KREUSLER, 33d and Penn Ave., Pittsburgh. Estimated cost, $15,000. Noted Dec. 2.

Del., Wilmington—Contract for factory buildings for Harlan & Hollingsworth Co. awarded to A. HAVENS & CO., Philadelphia, Penn. Estimated cost, $80,000.

Md., Baltimore—GEORGE REPP, 316 Stinson St., Baltimore, awarded contract for addition to warehouse of Mergenthaler & Co., 116 Hollingsworth St. Estimated cost, $10,000.

Va., Newport News—Contract for building for construction of hydroplanes and hydro-aëroplanes for Atlantic Coast Experimental Association awarded to HARWOOD & MOSS, Newport News. Estimated cost, $10,000.

W. Va., Warwood—Contracts for building for manufacture of sprinklers for Merchant & Evans Co., Philadelphia, Penn., awarded as follows: C. H. SEABRIGHT & CO., Wheeling, foundation; J. E. MOSS IRON WORKS, Wheeling, structural steel; JOHN H. MURPHY CO., Warwood, carpenter work.

Ga., Atlanta—Contract awarded for one-story warehouse at Milton Ave. and Belt Line R.R. to R. D. COLE, by Atlanta & West Point R.R. Estimated cost, $10,000.

Ga., Atlanta—Contract for building for Goodyear Tire and Rubber Co., Akron, Ohio, awarded to MACKLE CONSTRUCTION CO., Atlanta. Estimated cost, $18,000.

Ala., Birmingham—Contract for warehouse for Harris Transfer and Warehouse Co. awarded to EVANS BROS. CONSTRUCTION CO., Birmingham. Estimated cost, $50,000. Noted Nov. 11.

Tenn., Chattanooga—(Official)—Marion Extract Co., Marion, Va., will construct by day labor a plant to manufacture tannic acid from chestnut oak at Chattanooga. Estimated cost, $150,000. Noted Dec. 2.

Ky., Louisville—Kentucky Distillers and Warehouse Co. will remodel three buildings for warehouses by day labor. Estimated cost, $20,000. J. P. Hanley, Hamilton and Mellwood St., Secy. Noted Nov. 18.

Ky., Louisville—Contract for packing plant for C. F. Vissman & Co. awarded to G. H. ROMMEL CO., 639 Campbell St., Louisville. Estimated cost, $15,000. Noted Dec. 9.

Ohio, Canton—(Official)—Globe Motor Car Co. awarded contract for steel work on four-story, 60x200-ft. salesroom and garage to CANTON BRIDGE CO., Canton. Estimated cost, $80,000. Noted Dec. 2.

Ohio, Cleveland—Contract awarded to WILLIAM MOORE CO., 1278 West Fourth St., Cleveland, for factory at 3038 Cedar Rd. for F. L. Henderson. Estimated cost, $25,000.

Ohio, Cleveland—Contract for two-story addition to plant of Cleveland Steel Barrel Co., 9612 Meech Ave., awarded to S. W. EMERSON CONSTRUCTION CO., Engineers Bldg., Cleveland. Estimated cost, $17,000.

Ohio, Cleveland—Contract for grain warehouse at East 131st St. and Erie R.R. for Sheets Bros. Elevator Co. awarded to GEORGE D. BARRIBAL, Miles Ave., Cleveland. Estimated cost, $45,000. Noted Nov. 25.

Ohio, Cleveland—Contract for four-story factory building for D. O. Summers Cleaning Co. awarded to FRED LINDHORST & SONS. Estimated cost, $50,000.

Ohio, Cleveland—Winton Motor Carriage Co. awarded contract for one-story, 80x300-ft. addition to plant on Berea Rd. to BOLTON-PRATT CONSTRUCTION CO., Columbia Bldg., Cleveland. Noted Dec. 2.

Ohio, Dayton—Contract for garage at Third and Kenton St. for W. F. Stark awarded to STRUCTURAL CONCRETE CO., 751 Reibold Bldg., Dayton. Estimated cost, $30,000.

Ohio, Euclid—White Automobile Co., Cleveland, awarded contract for factory to W. I. THOMPSON & SON, 6110 Euclid Ave., Cleveland. Noted Dec. 2.

Ohio, Toledo—Contract for press house and agitator house for Paragon Refining Co., Front St., awarded to J. COMTE, 666 Oswald St., Toledo. Estimated cost, $25,000.

Ind., Ft. Wayne—M. IRMSCHER, 2103 Forest Park Blvd., Ft. Wayne, awarded contract for garage and commercial building for Aaron Shive, 2832 Thompson Ave. Estimated cost, $30,000.

Ind., Indianapolis—Contract for grain warehouse for F. E. Janes Realty Co., 522 Board of Trade Bldg., awarded to HALL-CURRY CONSTRUCTION CO., 807 Bd. of Trade Bldg., Indianapolis. Estimated cost, $40,000.

Mich., Marquette—Contract for plant for Nufer Cedar Co. awarded to FOSTER CONSTRUCTION CO., Milwaukee, Wis. Noted Dec. 2.

Ill., Chicago—Contract for two-story, 100x150-ft. factory for Chicago Nut Co., 619 West Jackson Blvd. awarded to CHANEY ARCHIBALD CO., 189 West Madison St., Chicago. Estimated cost, $40,000. Noted Dec. 2.

Ill., Chicago—E. W. SPROUL CO., 1120 West 35th St., Chicago, awarded general contract for warehouse for General Fire Extinguisher Co. Estimated cost, $60,000. Noted Nov. 18.

Ill., Chicago—Ogden Auto Sales and Garage Co. awarded contract for garage to CALIFORNIA CUT STONE CO., 2136 South Sawyer Ave., Chicago, at $13,500. J. Dvorak, 1909 South Lawndale Ave., Pres.

Wis., Ladysmith—Contract for four-story, 60x132-ft. factory building for A. W. Schram Manufacturing Co. awarded to E. POLLEY, Oshkosh.

Iowa, Burlington—Chicago, Burlington & Quincy R.R. Co. awarded contract for grain drier to H. A. BECK, 1705 Mt. Pleasant St., Burlington, at $10,000. T. E. Calvert, Chicago, Ill., Ch. Engr.

Minn., Minneapolis—R. A. Jacobson, 699 Madison St., will build a three-story, 62x142-ft. warehouse by day labor.

Minn., St. Paul—Contract for factory for Milton Dairy Co., West Ninth St., awarded to W. J. HOY CO., St. Paul. Estimated cost, $25,000.

Kan., Wichita—Contract for warehouse for Rumley Products Co. awarded to VEITER & WENZEL, Wichita, at $10,000. Noted Nov. 11.

Neb., Lehigh—F. L. Vlach and J. J. Tesar awarded contract for garage to T. EASTERGARD, North Bend, Neb., at $10,100.

Mo., Hannibal—Hannibal Wire Fabric Co. will build factory by day labor. Estimated cost, $35,000. Albert Andris, Supt. of Constr. Noted Sept. 23.

Mo., Kansas City—Contract for garage for A. H. Jennings & Son, 1809 North Seventh St. awarded to J. E. ANDERSON & SON, 713 Minnesota Ave., Kansas City. Estimated cost, $20,000.

Mo., Kansas City—W. R. Nelson Estate, 17th and Grand Ave. awarded contract for garage to W. F. JACKSON, Kansas City, at $19,000.

Mo., St. Louis—Contract for two-story, 61x122-ft. factory for A. W. Swebder, 823 South 10th St., awarded to W. J. HOHAN, La Salle Bldg., St. Louis.

FEDERAL GOVERNMENT WORK

Proposed Work

N. Y., Hornell—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 19, for U. S. post office at Hornell.

N. Y., Waterloo—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 21, for U. S. post office at Waterloo.

N. J., Hackensack—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 17, for U. S. post office at Hackensack.

W. Va., Wheeling—Lock Gates—Bids will be received at U. S. Engineer Office, Wheeling District, Wheeling, until 11 a.m., Jan. 14, for steel lock gates for Dam No. 14, Ohio River. (See Adv.)

Fla., Pensacola—Building—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Jan. 8, for remodeling building No. 52 at Navy Aeronautic Station, Pensacola.

Ky., Ashland—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 24, for U. S. post office at Ashland.

Minn., Anoka—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 18, for U. S. post office at Anoka.

Mo., St. Louis—Coal—Bids will be received at U. S. Engineer Office, Custom House, St. Louis, until 11 a.m., Dec. 29, for furnishing 30,000 tons of coal.

Colo., Denver—Reclamation—Western Division of U. S. Reclamation Service will ask Congress for an appropriation of $9,200,000 to complete 28 western projects now being constructed. Budget of S. B. Williamson, Ch. of Western Division, for above appropriation approved by F. T. Lane, Secy. of Interior.

Panama—Metal Supplies—Bids will be received by Maj. F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., until 10:30 a.m., Dec. 29, for furnishing metal supplies.

Panama—Miscellaneous Supplies—Bids will be received by Maj. F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., until 10:30 a.m., Dec. 22, for furnishing miscellaneous supplies.

Bids In and Contracts Awarded

Conn., Greenwich—Post Office—Bids were received Dec. 10 for U. S. post office at Greenwich, (a) limestone, (b) sandstone, as follows: Frymier & Hanna, New York, N. Y., (a) $66,769, (b) $68,269; E. T. Abbott Construction Co., New York, N. Y., (a) $66,750, (b) $69,800; Joseph Christiano, Greenwich, (a) $67,992, (b) $69,992. Noted Nov. 4.

N. Y., New York—(Borough of Brooklyn)—Dredging—Bids were received Dec. 11 for dredging at Navy Yard, New York, as follows: P. Sanford Ross, Inc., Jersey City, N. J., at 26c. per cu.yd.; Coastwise Dredging Co., Norfolk, Va., at 25⅞c. per cu.yd.; Morris & Cummings, New York, at 29½c. per cu.yd. Noted Nov. 18.

Md., Indian Head—Extension to Pulping and Poaching House—Contract for extension to pulping and poaching house awarded to JOHN H. NOLAN CONSTRUCTION CO., Washington, D. C., at $7,074. Noted Nov. 11 and Dec. 2.

D. C., Washington—Sewer Work—CHARLES H. TOMPKINS CO., Washington, at $2,008, awarded contract for Petworth sewer; HARPER & VOIGT CO., Washington, at $15,145, awarded contract for Kenilworth sewer. Noted Nov. 25 and Dec. 2.

Fla., Key West—Officers' Quarters—HENRY MONK, Pensacola, at $14,350, awarded contract for two officers' quarters at naval station, Key West. Noted Oct. 21.

Tex., Brenham—Post Office—Contract for U. S. post office at Brenham awarded to W. G. CARTER CO., Chicago, Ill., at $44,830. Noted Oct. 21 and Dec. 2.

Tex., Ft. Bliss—Heating System—Contract for heating system in 13 officers' quarters at Ft. Bliss awarded to W. S. KING, Lonoke, Ark., at $9,090. Noted Oct. 21.

Tex., Navasota—Post Office—Contract for U. S. post office at Navasota awarded to ALGERNON BLAIR, Montgomery, Ala., at $41,836. Noted Oct. 21 and Dec. 2.

Colo., Ft. Logan—Pump House—Contract for pump house and pump awarded by U. S. Quartermaster to H. T. WATERMAN, 17th and Wynkoop St., Denver, at $4,450.

Wash., Meadow Creek—Clearing—Lowest bids received Dec. 1 for clearing reservoir site at Lake Keechelus were as follows: M. P. Zindorf, Seattle, $178,000; Harrington-Peters Co., Seattle, $129,000; Maxham & Maxham, Tacoma, $168,000. Noted Nov. 4.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., New York—(Borough of Brooklyn)—(Official)—Dredging—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., North River, Manhattan, until noon, Dec. 23, for dredging in slip at foot of 28th St. Noted Dec. 2.

N. Y., New York—(Borough of Manhattan)—(Official)—Dredging—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier "A," Battery Pl., North River, until noon, Dec. 20, for dredging in boroughs of Manhattan, Brooklyn, Queens, Bronx and Richmond.

La., Jennings—Irrigation—William Bradford, Alexandria, interested in project to irrigate rice fields by constructing canal from Red River through Jefferson Davis Parish. Estimated cost, $2,000,000.

Tenn., Dyersburg—Drainage—County Court of Dyersburg inevsigating project to drain district between Gibson County line and Obian River. Estimated cost, $200,000.

Ky., Louisville—Drainage—Fiscal Court considering drainage project involving 16,000 acres of swamp land in southern part of county.

Ky., Morganfield—Ditch—Bids will be received by Drainage Commissioners of Union County, until 1 p.m., Dec. 30, for constructing Dennis O'Nan Public Ditch. Norman R. Orcutt, Morganfield, Ch. Engr. Noted Aug. 5.

Ky., Morganfield—Drainage—Surveys being made for H. O. Roberts Drainage Ditch. Estimated cost, $43,000. Norman R. Orcutt, Morganfield, Ch. Engr.

Ind., Hartford City—(Official)—Ditch—Bids will be received by Frank P. Wallace, Drainage Comr., until 2 p.m., Dec. 28, for constructing Delilan Hineker Ditch, Monroe and Washington Townships.

Ind., Huntington—Bids will be received by Andrew Kilty, Constr. Comr., until Jan. 9, for improving ditch in Salamonie Township.

Mich., Davison—Drain—Bids will be received by I. H. Reid, County Drain Comr., until 9 a.m., Dec. 17, for constructing White Drain, Davison Township.

Mich., Macon—Drainage—Contract for middle branch of Macon Drain will be awarded about Apr. 1. Estimated cost, between $40,000 and $50,000. D. S. Sullivan, County Drain Comr. Noted Dec. 2.

Mich., Monroe—Drainage—Contract for Swamp Raisin Drain will be awarded about Apr. 1. D. S. Sullivan, County Drain Comr.

Ill., Belleville—Drainage—Press reports state that drainage district will be organized for improving Richmond Creek. Estimated cost, $150,000. G. A. Kloess, Chn. of Bd. of Trustees.

Wis., Racine—Dredging—City plans to dredge river during 1916. P. H. Connolly, City Engr.

Iowa, Spirit Lake—Drainage—Bids will be received by Board of Supervisors of Dickinson County until 1 p.m., Dec. 22, for tile drain in Drainage District No. 34, Dickinson County. John S. Blow, County Audr.

Minn., Anoka—Drainage—County will award contract for draining Coon Creek, eight miles, about May. Estimated cost, $45,000. W. L. Ridge, Drainage Engr. Noted Dec. 2.

Minn., Benson—Ditches—County plans to build five ditches.

Minn., Mankato—Ditch—Bids will be received by County Commissioners until Dec. 18 for constructing County Ditch No. 41.

Minn., Montevideo—Ditch—County Commissioners will soon award contract for Drainage Ditch No. 16. Estimated cost, $100,000. J. J. Stennes, County Audr.

Minn., Montevideo—Ditches—Contracts will be awarded some time in January for Ditches Nos. 21, 22 and 23. Estimated cost, $10,000, $175,000 and $20,000, respectively.

Minn., Pine City—Ditch—Bids will be received by W. H. Hamlin, County Audr., until Dec. 23, for constructing Ditch No. 4. Estimated cost, $9,870.

N. D., Fargo—Ditches—Contract for two ditches through portion of Kenyon and Noble Townships to Red River will be awarded early next year. Estimated cost, $30,000 each. F. Crabbe, Fargo, Engr. Noted Oct. 7 and 21.

Mont., Billings—Irrigation—U. S. Reclamation Service approved plans of Big Horn Cañon Irrigation and Power Co. for 400-ft. dam. Estimated cost, $175,000.

Mo., Birmingham—Drainage—Contract will be let some time in January or February by Board of Supervisors of Birmingham Drainage District for 10.8 mi. of levee work for developing about 5,400 acres of land. Estimated cost, $335,400. J. H. Powell, 312 Reliance Bldg., Kansas City, Mo., Secy. Brooks & Jacoby, 512 Shukert Bldg., Kansas City, Mo., Engr.

Tex., Harlingen—Irrigation—Bids will be received by Board of Directors of Cameron County Irrigation District No. 1 until Dec. 30 for extending canal, about 411,900 cu.yd. of excavation. Noted Oct. 14.

Tex., Houston—Dredging—See item under "Miscellaneous."

Idaho, Montour—Tunnel—Mannry Boise Co., Boise, at $44,250, submitted only bid for concrete tunnel for Emmett Irrigation District. New bids will be received. Noted Nov. 18.

Idaho, Twin Falls—Irrigation—Twin Falls Land and Water Co. plans to reclaim about 699 acres in Bruneau tract in Owyhee and Twin Falls Counties. Estimated cost, $30,000,000.

Wash., Sequim—Irrigation—Bids will soon be received by Highland Irrigation District Commissioners for seven miles of ditches. Estimated cost, $25,000.

Ore., Astoria—Reclamation—City Council considering creation of reclamation district in west end of city. Estimated cost, $142,795.

Ore., Klamath Falls—Irrigation—Plans being prepared for Yainax Irrigation project to include approximately 2,135 acres. Estimated cost, $75,000. H. W. Hincks, Indian Reclamation Service, Astoria, Engr.

Calif., Redding—Irrigation—Plans being considered by Anderson Cottonwood Irrigation District for bond issue for $400,000 for irrigation.

Calif., San Joaquin—(Official)—Reservoir—All bids received Dec. 6 for Woodward reservoir for South San Joaquin Irrigation District rejected. New bids will be received until 10 a.m., Jan. 3. C. A. Proudfit, Monteca, Secy. Noted Nov. 18 and Dec. 2.

Bids In and Contracts Awarded

Ky., Calhoun—Ditch—Contract for excavating ditch in McLean County awarded to J. N. FORGY DREDGE CO., Owensboro, at $25,000.

Ohio, Kenton—Drainage—Contract for Upper Scotia Drainage and Conservation District, Hardin County, to include about 25,000 acres, awarded to ELI PUGH and JAMES POLING, at $1,310,000. Noted Sept. 10.

Ind., Plymouth—Ditch—Contracts for ditch awarded as follows: YODER & SCHWARTZ, Nappanee, at $8,275, for dredge portion of Jesse McKesson lateral ditch; WALTER HYGEMA, Nappanee, at $3,499, for tile and open shovel portion of main ditch; JESSE McKESSON, Teegarden, at $625, for McKesson lateral.

Mich., Ithaca—Drain—Contract for excavating, clearing right-of-way, etc., for County Drain No. 110 and branches, awarded to A. S. GIBSON, Ithaca, at $2.34 per cu.yd.

Wis., Bristol—Drainage—T. C. Froemming, 1288 Humboldt Ave., Milwaukee, at $14,282, submitted lowest bid for drainage ditch in Bristol Drainage District. W. E. O'Brien, Kenosha, Engr. Noted Oct. 21.

Wis., Necedah—(Official—Ditches—P. Brandt & Son, Finley, at 8c. per cu.yd., submitted lowest bid for constructing new ditches and deepening and widening old ones, about 820,000 cu.yd. excavation, for Little Yellow Drainage District. A. C. Willard, Secy.

Iowa, Des Moines—(Official)—Ditch and Bulkhead—Contract for Drainage Ditch No. 16, Webster Township, and bulkhead, awarded to EMPIRE CONSTRUCTION CO., Des Moines, at $12,680. Noted Dec. 2.

Iowa, Des Moines—(Official)—Ditch and Bulkhead—Contract for Drainage Ditch No. 17, Lincoln and Crocker Townships, and bulkhead, awarded to J. C. ANDERSON, Marshalltown, at $30,954. Noted Dec. 2.

Iowa, Mason City—(Official)—Contract for County Ditch No. 29 awarded to HAWKEYE CEMENT TILE CO., Mason City. Noted Nov. 25.

Minn., Anoka—Ditch—Contract for repairing County Ditch No. 32 awarded to K. C. RICHARDSON, at $12,741.

Minn., Grand Rapids—Ditch—Contract for Judical Ditch No. 3, west of Deer River, awarded to P. SEASTRAND, Cambridge. Estimated cost, $104,000.

Mo., Carrollton—Drainage—Contract to construct 12,000 yd. of embankment awarded to J. O. MOORE, Noborne. Carl Weighert, Drainage Comr.

Utah, Corinne—Drainage—Contract for drainage project near Corinne, Boxelder County, awarded to J. P. O'NEILL CONSTRUTION CO. Estimated cost, $175,000.

Calif., Modesto—Irrigation—Contract for nine concrete drops for Modesto Irrigation District awarded to G. J. ULRICH, Modesto, at $19,340. Noted Dec. 2.

Calif., Richmond — Canal Improvements. — RICHMOND DREDGING CO., Richmond, at $95,845, awarded contract for improving Canal Subdivision.

MISCELLANEOUS

Proposed Work

N. Y., Buffalo—Docks—Donner Steel Co., Inc., recently organized with $5,000,000, capital stock, has taken over plant of New York State Steel Co. and will improve same. Improvements include ore docks along Buffalo River, installation of ore handling equipment and by-product coking plant.

N. Y., New York—(Borough of Brooklyn)—(Official)—Bulkhead—Bids will be received by L. H. Pounds, Borough Pres., Room 2, Borough Hall, until 11 a.m., Dec. 20, for furnishing labor and material to build pile and timber bulkhead at municipal bath building, Coney Island.

N. Y., New York—(Borough of Manhattan)—(Official)—Market—Bids will be received by Marcus M. Marks, Borough Pres., Room 2032, Municipal Bldg., until 2 p.m., Dec. 20, for constructing market under Queensboro bridge, 59th and 60th St., First and Ave A; also for installing drainage and water systems in said market.

N. Y., New York—(Borough of Manhattan)—(Official)—Market—Bids will be received by Marcus M. Marks, Borough Pres., Room 2032, Municipal Bldg., until 2 p.m., Dec. 23, for constructing public market under Third Ave. bridge; 130th St. and Third Ave.

N. Y., New York—(Borough of Manhattan)—Stadium—Bids will soon be received for stadium for New York Federal League Club. Estimated cost, $500,000. C. B. Comstock, 110 West 40th St., Arch.

N. Y., Syracuse—Retaining Wall—Board of Alderman defeated proposition to issue $75,000 bonds for retaining wall along bank of Onondaga Creek. Noted Oct. 14 and Nov. 18.

Penn., Philadelphia—Electric Hoists—Bids will be received by John Meigs, Dir. of Dept. of Wharves, Docks and Ferries, until Dec. 20, for electric hoists for Southwark piers, Delaware River, between Catharine and Christian St.

Va., Norfolk—Docks, etc.—Norfolk Storage Co., Inc., recently incorporated, has purchased a site of 19 acres at Burtons Point and will dredge river, and build docks and sheds. C. S. Powell, New York, N. Y., Pres.

Fla., Miami—Harbor Improvement—Bids will be received by W. B. Moore, City Clk., until noon, Dec. 22, for excavating a slip, a turning basin and channel across Biscayne Bay, also building a concrete dock. Separate proposals for dock.

Ala., Mobile—Elevated Railway—Magnolia Compress and Warehouse Co. has had plans prepared for system of elevated railways between warehouses and water front.

La., New Orleans—(Official)—Grain Elevator Equipment—Bids will be received by E. M. Loeb, Pres., Bd. of Comrs. of Port of New Orleans, Suite 200, New Orleans Court Bldg., until 8 p.m., Dec. 29, for furnishing equipment for public grain elevator in New Orleans. (See adv.)

Ohio, Columbus—(Official)—Elimination of Grade Crossings—We have been informed by R. Trimble, Ch. Engr. of M. of W., Pennsylvania Lines West of Pittsburgh, that it will be some time before bids will be received for elimination of grade crossings in north side of Columbus. Noted Dec. 2.

Ohio, Painesville—Monument—Ohio Mausoleum Co., Galion, will build monument at Painesville. Estimated cost, $50,000. T. Robert Moore, Painesville, interested.

Ind., Miller—Coney Island—Press reports state that New York capitalists plan to establish a Coney Island at Miller Beach. Estimated cost, $500,000.

Mich., Detroit—Subway—Plans prepared for subway for Woodward Ave. cars from Grand Circus Park to river front. Estimated cost, $1,500,000.

Ill., Chicago—Machinery—Bids will be received by J. D. Robertson, Comr. of Health, until Dec. 18, for elevating and conveying machinery for new Mill Building at municipal reduction plant, 39th and Iron St.

Minn., St. Paul—Channel—Project being considered to construct 6-ft. channel from St. Paul to mouth of Missouri River. Mississippi River Improvement Association, interested.

Mo., St. Louis—River Terminals—Plans prepared by J. L. Wees, 419 Commercial Bldg., for seven-story, 100x250-ft. river terminal and warehouse for St. Louis River Front and Dock Association. Estimated cost, $250,000.

Tex., Galveston—Dry Dock—Dry dock, marine railway and ship building and repair plant will be constructed by Galveston Dry Dock and Construction Co. C. N. Growell, Mgr. Noted Nov. 11.

Tex., Houston—Wharf and Warehouse—City Council has appropriated $300,009 for work on Houston Turning Basin. Works includes dredging for wharf, building wharf and warehouse, etc.

Ariz., Tucson—Subway—Bids will be received by C. K. Clarke, City Mgr., until Dec. 17, for subway under railway tracks at end of Congress St. Estimated cost, $70,000. Noted Oct. 14 and Nov. 18.

Wash., Seattle—Tunnel—Plans prepared by A. H. Dimock, City Engr., for reinforced-concrete tunnel at entrance to new courthouse and city hall. Estimated cost, $30,000. Noted Nov. 25.

Ore., Portland—Tunnel—Press reports state Oregon-Washington R.R. and Navigation Co. will reline tunnel with concrete from Mock's Bottom to Columbia Slough. Estimated cost, $100,000. J. K. Holman, Portland, Ch. Engr.

Calif., Santa Monica—Bath House—Santa Monica Bath House Corporation will build three-story, 95x100-ft. bath house. Estimated cost, $25,000.

MISCELLANEOUS

Bids In and Contracts Awarded

Mass., Boston—Bulkhead—BAY STATE DREDGING AND CONTRACTING CO., Boston, at $82,830, awarded contract for bulkhead and 170,00 cu.yd. dredging and placing filling beneath and around bulkhead, Contract No. 47. Noted Nov. 18 and Dec. 2.

N. Y., New York—(Borough of Bronx)—Track Installation—Contract for track installation on White Plains Rd. and extension of existing subway awarded to COAST AND LAKE CONTRACTING CORPORATION, 41 Broad St., New York, at $53,930. Noted Dec. 2.

N. Y., New York—(Borough of Brooklyn)—(Official)—P. P. Farley, 103 Park Ave., New York, at $5,335, submitted lowest bid for steel tank and fittings to be used for storage of liquid asphalt at municipal asphalt plant, 7th St. basin, Gowanus Canal. Noted Dec. 2.

N. Y., New York—(Borough of Manhattan)—Pier Shed—Baltimore & Ohio R.R. Co. awarded contract for Pier Shed No. 21, East River, to MILLIKEN BROS., 111 Broadway, New York.

N. J., Ventnor—(Atlantic City post office)—Jetties—Contract for jetties from Cambridge to Portland Ave. awarded to EUGENE BOEHM, at $4.22 per ft. Noted Dec. 2.

Penn., Philadelphia—Bath House—Contract for bath house for Public Baths Association of Philadelphia awarded to FRANKE E. WALLACE, 1220 Chancellor St., Philadelphia. Estimated cost, $20,000.

Penn., Philadelphia—(Official)—Elevated Railway Work—Contract for concrete column foundations and piers for about 4,000 lin.ft. of two-track elevated railway in Frankford Ave. from Unity to Dyre St. awarded to EDWIN H. VARE, 604 Lincoln Bldg., Philadelphia, at $17,700. Noted Nox. 18.

Penn., Philadelphia—Park Improvements—City awarded contract for park improvements to C. A. CONAN, 1345 Arch St., Philadelphia. M. L. Cooke, Dir., Dept. of Pub. Wks.

Md., Baltimore—Coal Pier—Baltimore & Ohio R.R. Co. awarded contract for foundation and piling for coal pier at Curtis Bay, Baltimore, to PHOENIX CONSTRUCTION CO., 41 Park Row, New York, N. Y. Estimated cost, $1,500,000. Noted Sept. 30 and Dec. 2.

Miss., Waveland—(Official)—Seawall—Contract for concrete seawall and filling on beach at Waveland awarded to MASSIE & CO., 218 Saratoga St., New Orleans, La., at $10.74 per lin.ft. Noted Oct. 28.

Ohio, Cleveland—Pier—AMERICAN CONSTRUCTION CO., Cleveland, awarded contract for repairs to pier protections. Noted Nov. 25.

Ill., Chicago—Engine House—Contract for two-story brick engine house awarded to WARNER CONSTRUCTION CO. at about $19,000. Noted Dec. 2.

Calif., Martinez—Pipe Line—Shell Oil Co., Martinez, awarded contract for grading work for pipe line to PRICE CONSTRUCTION CO. and O'BRIEN BROS., about 130,000 cu.yd. excavation. Estimated cost, $40,000. Noted Oct. 21.

Calif., Sacramento—Levee—F. E. Frey, at $10,312, submitted lowest bid for levee work near Sutterville.

Calif., Sacramento—Levee Work—Contract for levee work awarded to A. TEICHERT & SON, Ochsner Bldg., at $11,250.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Proposed Work

Vt., White River Junction—Plans approved by Boston & Maine R.R. and Boston & Central Vermont R.R. for station at White River Junction. Estimated cost, $55,000.

Mass., Boston—Plans being prepared by S. S. Levy, 35 Court St., Arch., for five-story hotel and loft building. Estimated cost, $50,000.

Mass., Dedham—Dedham Masonic Lodge has postponed building of temple until next spring. Estimated cost, $40,000. Noted Sept. 23.

Mass., Salem—Bids will be received until Dec. 23 by city for addition to Bowditch School. Estimated cost, $75,000. John M. Gray, 16 Arlington St., Boston, Arch. Noted Dec. 9.

N. Y., Baldwin—Citizens voted to build school. Estimated cost, $40,000. William Steele, interested.

N. Y., Bronxville—Plans being prepared by Bates & How, Arch., 542 Fifth Ave., New York, for motion picture, store and apartment building for Residence Co. of Lawrence Park. Estimated cost, $50,000.

N. Y., Gloversville—City National Bank will build bank. Estimated cost, $80,000. Mowbray & Uffinger, 56 Liberty St., New York, Arch.

N. Y., New York—(Borough of Brooklyn)—(Official)—Bids will be received by John A. Kingsbury, Comr., Dept. of Pub. Charities, Municipal Bldg. (Borough of Manhattan), until 10:30 a.m., Dec. 23, for alterations to and additional buildings at Greenpoint Hospital.

N. Y., New York—(Borough of Manhattan)—(Official)—Union Square Realty Corporation, 15 Broad St., plans to build 13-story, 50x100-ft. store and showroom building at 26 Union Sq. Estimated cost, $225,000. W. G. Pigueson, 59 Pearl St., Arch.

N. Y., New York—(Borough of Manhattan)—(Official)—Plans prepared for two-story, 65x128-ft. building at 175th St. and Wadsworth Ave. for New York Telephone Co., 15 Dey St. Estimated cost, $93,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will soon be received for seven-story, 100x150-ft. assembly building for Y. W. C. A. at Lenox Ave. and 124th St. Estimated cost, $250,000. Louis E. Jallade, 37 Liberty St., Arch.

N. Y., Syracuse—University of Syracuse plans to build College of Agriculture. Estimated cost, $250,000.

N. J., Paterson—Bids will be received until 4 p.m., Dec. 20, by J. E. Dunphy, Secy. of Bd. of Education, City Hall, for constructing Public School No. 10.

Penn., Allentown—Bids recently received for six-story addition to Y. M. C. A. Bldg. rejected. New bids will be received. Ruhe & Lange, Allentown, Arch. Estimated cost, $100,000. Noted Dec. 2.

Penn., Butler—Movement has been started in Mercer County to construct hospital for insane. Estimated cost, $300,000. S. C. Moore, Comr.

Penn., Chester—Plans being prepared by E. A. Wilson, Arch., 1208 Chestnut St., Philadelphia, for three-story hotel.

Penn., Eddystone—Bids will soon be received by Henon & Boyle, Arch., 10 South 18th St., Philadelphia, for seven-story, 50x120-ft. hotel for Remington Arms Co. Estimated cost, $175,000. Noted Dec. 2.

Penn., Lancaster—Plans being prepared by C. E. Urban, Arch., Woolworth Bldg., for three-story high school for Board of Education. Estimated cost, $150,000.

Penn., York—Plans being prepared by Gemmill & Billmeyer, Arch., for four-story club house for Loyal Order of Moose. Estimated cost, $60,000.

Md., Baltimore—(Official)—Bids will be received about Jan. 1 for four-story office building on German St. for Immediate Benefit Life Insurance Co. Estimated cost, $70,000 Louis Levi, 1408 Munsey Bldg., Arch. Noted Dec. 9.

D. C., Washington—Plans being prepared for new art building for Smithsonian Institute. Estimated cost, $1,000,000.

D. C., Washington—Contract will be awarded about Feb. 1 by Thomas W. Lamb, Arch., for Rialto Building Co. Estimated cost, $150,000. Noted Dec. 2.

D. C., Washington—Plans prepared for one-story motion picture theater for Crandall Theater Co. Estimated cost, $50,000. A. P. Clark, Jr., 816 14th St., N. W., Washington, Arch.

Va., Norfolk—Bids will soon be received for six-story, 26x104-ft. office building on City Hall Ave. J. W. Lee, Norfolk, Arch.

W. Va., Wheeling—Citizens of Richland District voted $85,000 bonds for schools. R. A. Alexander, Pres. of Bd. of Education.

Ga., Macon—Plans being prepared for hotel on Cherry St. for J. S. Shingler, Ashburn. Estimated cost, $120,000.

Ga., Savannah—Plans being prepared for auditorium for city. H. Wallin, Arch.

Ga., Tifton—City plans to hold election to vote on $100,000 bonds for city hall.

Fla., Ft. Pierce—Citizens of Special Tax District No. 6 voted $40,000 bonds for school.

Fla., Miami—Bids will be received about Dec. 30 for eight-story, 40x100-ft. hotel for McAllister Hotel Co. Frohlin & De Garmo, Miami, Arch. Noted Nov. 18.

Ala., Birmingham—Plans prepared by William T. Warren, Arch., for three-story Science Hall for Birmingham College.

Ala., Mobile—Commissioners of Mobile County School have recommended election to Board of Revenue and Road Commissioners on Jan. 18 to vote on $150,000 bonds for county schools.

Ala., Union Springs—New freight and passenger station will be constructed by Birmingham & Southern R.R.

La., Jennings—Plans will be prepared by W. L. Stevens, Arch., Baton Rouge, for courthouse for Jefferson Davis Parish Police Jury. Estimated cost, $75,000. Noted Oct. 28.

Ky., Somerset—Press reports state that hotel will be constructed at Dry Ridge by syndicate composed of Georgetown, Dry Ridge and Lexington capitalists. Estimated cost, $100,000.

Ky., Winchester—R. P. Taylor is interested in plan to organize Clark County Unity Club to raise money to build a club house. Estimated cost, $50,000.

Ohio, Cleveland—Plans prepared for three-story, 50x185-ft. dormitory for Livingston Taylor. Estimated cost, $100,000. C. S. Schneider, 2248 Euclid Ave., Cleveland, Arch.

Ohio, Cleveland—Plans will be prepared by Franz C. Warner, Hippodrome Bldg., Cleveland, and E. D. Litchfield, New York, N. Y., Archs., for new building for girls at Andrews Institute. Estimated cost, $1,000,000.

Ohio, Cleveland—Plans prepared by S. H. Wesi, Arch., 1030 Schofield Bldg., for three-story commercial building at St. Clair and Yale Ave. for Herman Stern, Cleveland. Estimated cost, $60,000.

Ohio, Cleveland—Plans being prepared by W. R. McCormack, Arch., Bd. of Education, Cleveland, for additions to Memorial, East Clark and Tremont Schools. Estimated cost, $100,000.

Ohio, Cleveland—Plans will be prepared by C. S. Schneider, Arch., 2248 Euclid Ave., for addition to Y. W. C. A., East 18th St. and Prospect Ave. Estimated cost, $60,000.

Ohio, Cleveland—Plans prepared by Hubbell & Benes, Arch., 4600 Euclid Ave., for exchange building on Euclid Ave. for Superior Realty Co., Erie Bldg. Estimated cost, $800,000. A. B. Smythe, interested.

Ohio, Cleveland—Plans being prepared by Ferguson-Flanigan Co., Arch., Vickers Bldg., for eight-story commercial building at St. Clair Ave. and Third St., for Walton Realty Co.

Ohio, Columbus—Bids will be received about Jan. 1 for 11-story hotel for Broadway County. Estimated cost, $400,000. J. H. Butler, Hotel Columbus, Mgr.

Ohio, Dayton—Plans being prepared by Frank Hill Smith, Arch., 1035 Reibold Bldg., Dayton, for ten-story, 50x178-ft. bank and office building for Dayton Savings and Trust Co. Estimated cost, $100,000.

Ohio, East Liverpool—East Liverpool Lodge No. 122, Loyal Order of Moose, plans to build lodge building.

Ohio, Ironton—Masons plan to build new temple. Estimated cost, $75,000.

Ohio, Oberlin—Press reports state that Oberlin College plans to build new theological seminary. About $100,000 available for this purpose.

Ohio, Olmsted Falls—Board of Education will award contract for high and grade school in about five weeks. Estimated cost, $50,000. F. R. Gallagher, Clk. Noted Dec. 9.

Ohio, Ravenna—Congregation of First Christian Church plans to build one-story, 76x104-ft. church and Sunday school. Estimated cost, $40,000. Richard Hollowell, Chn. of Bldg., Com.

Ohio, Wilmington—Charles Murphy plans to build opera house. Estimated cost, $100,000.

Ind., Brookston—Bids will be received early next year for high and grade school. Estimated cost, $40,000. Noted Nov. 11.

Ind., Delphi—Plans being prepared by Elmer E. Dunlap, 909 State Life Bldg., Indianapolis, for three-story courthouse for Carroll County. Estimated cost, $200,000. M. G. Haun, Audr.

Ind., Goshen—Plans being considered for nine-story hotel on site of Sherman Hotel at 233 North Michigan St.

Ind., Indianapolis—(Official)—Contract will soon be awarded for freight station for Pennsylvania R.R. Estimated cost, $150,000. Noted Dec. 2.

Ind., Portland—(Official)—Contract for three-story, 90x160-ft. courthouse for Jay County will be awarded in about two or three months. Estimated cost, $275,000. Frank Gillespie, County Clk. Noted Nov. 4 and Dec. 2.

Ind., Terre Haute—(Official)—Bids will be received some time in February for three-story McLain grade school. Estimated cost, $115,000. Herbert W. Foltz, 1456-60 Lemcke Annex, Indianapolis, Arch. Noted Dec. 9.

Mich., Detroit—Plans being prepared by Joseph P. Jogerst, Arch., 1401 Kresge Bldg., Detroit, for seven-story, 40x90-ft. hotel for S. Satovosky. Estimated cost, $100,000.

Mich., Detroit—Plans being prepared for six-story, 30x93-ft. hotel for Mack McKenzie. Smith & Kohner, 302 Free Press Bldg., Detroit, Arch.

Mich., Detroit—Plans prepared by O. C. Gottesleben, Arch., for 14-story hotel on Griswold St. for Tavern Hotel Co. M. J. Leod, Pres.

Mich., Detroit—Plans prepared by Albert Kahn, Arch., Detroit, for new library for University of Michigan. Estimated cost, $350,000.

Mich., Detroit—Citizens of Highland Park will vote on $275,000 bonds for new school.

Mich., Jackson—Contract will be awarded in about two months by Board of Education for three-story, 140x275-ft. high school. Estimated cost, $385,000. Noted Oct. 21 and Nov. 18.

Mich., Menominee—Rogers M. Andrews interested in construction of club house. Estimated cost, $40,000.

Mich., Monroe—Bids will soon be received by Harry J. Rill, Arch., 54 Buhl Blk., Detroit, for five-story, 150x200-ft. college for Sisters of Immaculate Heart of Mary.

Mich., Port Huron—Board of Education considering bond issue for $100,000 for new junior high school.

Ill., Chicago—Union League Club plans to build three-story addition to club house on Jackson Blvd. Estimated cost, $190,000. Holabird & Roche, Arch.

Ill., Ottawa—(Official)—Bids will be received next spring for Illinois Valley General Hospital. Estimated cost, $75,000. J. F. Richardson, Jr., Arch. Noted Dec. 3.

Ill., Quincy—Congregation of Baptist Church plans to build new edifice next spring. Estimated cost, $60,000.

Ill., Springfield—Plans for addition to Dubois School submitted to Board of Education by Harry J. Reiger, Arch., 42 Ridgley Bank Bldg., for approval. Estimated cost, $75,000. Noted Nov. 4.

Ill., Tuscola—Bids will be received about Mar. 15 for two-story high school. Estimated cost between $125,000 and $150,000. C. C. Kazey, Secy. of Township High School Bd. Noted Dec. 9.

Wis., Mensha—Board of Education engaged Van Ryn and De Gelleke, Arch., Caswell Blk. to prepare plans for two-story addition to high school.

Wis., Milwaukee—Plans prepared by Holabird & Roche, Arch., Chicago, Ill., for two-story, 200x522-ft. arcade building on Grand Ave. A. J. Harvey, Cleveland, Ohio, interested.

Wis., Racine—Knights of Columbus plan to build club house. J. E. Henen, Arch., 74 Main St., Mem. of Bldg. Com.

Wis., Racine—Plans being prepared by A. A. Guilbert, Arch., Robinson Bldg., for auditorium and armory for city.

Iowa, Alton—Bids will be received by Board of Education until Dec. 21 for school. Buettler & Arnold, Arch.

Iowa, Atlantic—Y. M. C. A. plans to build two-story, 100x130-ft. building. Estimated cost, $100,000. W. H. Fuller, Chn. of Bldg. Con.

Iowa, Cedar Rapids—Campaign will be started next spring to build new Y. M. C. A. Estimated cost, $150,000.

Minn., Henderson—Bids will be received until Jan. 4 by Board of Commissioners of Sibley County for court house, jail and sheriff's residence. Estimated cost, $100,000.

Minn., Mound—Preliminary plans being prepared by F. E. Halden, Arch., 601 Kasota Bldg., Minneapolis, for two-story consolidated school. Estimated cost, $60,000. D. Wilkins, Secretary of Bd. of Education.

Kan., Emporia—College of Emporia plans to rebuild administration building recently destroyed by fire. Estimated cost, $100,000. W. A. White, Chn. of Bldg. Com.

Kan., Norton—Election will soon be held to vote on proposition to issue $40,000 bonds for school. F. M. Duvall, Clk., Bd. of Education.

Kan., Salina—Bids will be received about Feb. 1 for church for St. John's Lutheran Congregation. Estimated cost, $40,000. E. O. Brostrom, 300 Brent Bldg., Kansas City, Mo., Arch, Noted Dec. 9.

Neb., North Platte—Union Pacific Ry. Co. plans to rebuild station recently destroyed by fire. Estimated cost, $80,000.

Mo., St. Louis—(Official)—Bids will be received by Barnett, Haynes & Barnett, Arch., Century Bldg., until Jan. 15, for parish school for Catholic Cathedral of St. Louis. Estimated cost, $100,000. Noted Oct. 21 and Dec. 9.

Mo., St. Louis—Plans being prepared by J. M. Hirshstein, Arch., for three-story club house for Young Men's Hebrew Association.

Tex., Austin—Contract will soon be awarded for hotel for H. A. Wroe and associates. Estimated cost, $500,000. Noted Nov. 11.

Tex., Austin—Bids will be received by Kate Daffan, Supt., until noon, Dec. 23, for two-story hospital building at State Confederate Women's Home. Noted Oct. 14.

Tex., Corpus Christi—M. Donigan, owner of State Hotel, plans to improve same. Estimated cost, $80,000.

Tex., El Paso—Building will be constructed at Mills and Stanton St. by M. D. Roberts and William Banner. Estimated cost between $200,000 and $250,000.

Tex., Ft. Worth—George Clarke, Pres. of School Bd., has recommended bond issue for $225,000 for three schools.

Tex., Lubbock—Plans being prepared by Rose & Peterson, Arch., Kansas City, Kan., for three-story, 80x96-ft. courthouse for Lubbock County. Estimated cost, $100,000. Noted Oct. 7.

Tex., Port Arthur—Plans being prepared by William B. Ittner, Arch., Ninth and Locust St., St. Louis, Mo., for three-story school for Board of Education.

Tex., Savoy—Election will be held Dec. 18 by Board of Trustees of Savoy Independent School District to vote special tax for schools.

Tex., Seguin—Rock Hotel Co. will build hotel to cost $50,000. James A. Harley, interested.

Tex., Victoria—New building to replace one recently destroyed by fire will be constructed by Lady of Lourdes German Church. Estimated cost, $50,000.

(Continued on page 382)

PROGRESS ON DUAL SYSTEM CONTRACTS

INTERBOROUGH LINES

City Contracts

Sec.	Contractor	Limits	Contract Delivered	Time Expires	Amount of Bid	Per Cent. of Value of Work Completed	Item Published in Engineering News
		Routes Nos. 43 and 26—Diagonal Station Connection					
1	Rapid Transit Subway Construction Co.	Connection between existing subway and Lexington Avenue and Steinway Lines	12- 3-14	4- 3-17	$3,097,312.50	38	Oct. 22, 1915
7	Rapid Transit Subway Construction Co.	Lexington Ave., 43d to 53d St.	8- 7-17	3 -7-17	1,915,164.50	36	June 25, 1914
8	Bradley Contracting Co.	Lexington Ave., 53d to 67th St.	7-21-11	10-21-15	3,369,484.20	95	Nov. 3, 1910
9	Patrick McGovern & Co.	Lexington Ave., 67th to 79th St.	2-13-12	9-21-15	1,961,997.00	100	Dec. 14, 1911
10	Bradley Contracting Co.	Lexington Ave., 79th to 93d St.	7-21-11	9-21-15	3,253,072.80	100	Nov. 3, 1910
11	Bradley Contracting Co.	Lexington Ave., 93d to 106th St.	7-21-11	9-21-15	3,132,195.05	100	Nov. 3, 1910
12	Oscar Daniels Company	Lexington Ave., 106th to 118th St.	9-13-11	9-13-15	2,825,740.74	99	Nov. 3, 1910
13	Assigned to McMullen, Snare & Triest,	Lexington Ave., 118th to 129th St.	11-17-11	11-17-15	4,071,416.50	85.2	Nov. 3, 1911
14	Arthur McMullen & Hoff Co.	Lexington Ave. & 129th St., Manhattan, to 137th St., The Bronx	7-23-12	11-13-15	3,889,775.05	100	June 16, 1912
15	Assigned to Rodgers & Hagerty, Inc.	Mott & Gerard Aves., 135th to 157th St.	11-17-11	11-17-15	3,820,129.75	97.7	Nov. 3, 1910
		Route No. 16—Jerome Avenue Extension					
1	Oscar Daniels Company	Jerome Ave., 157th to 182d St.	12-31-13	10- 3-15	1,077,978.00	97.8	Dec. 11, 1913
2	Cooper & Evans Company	Jerome Ave., 182d St. to Woodlawn Rd.	4- 3-14	10- 3-15	1,076,831.00	95.2	Feb. 19, 1914
		Route No. 18—White Plains Road Extension					
1	Oscar Daniels Company	Bronx Park East to White Plains Road and Burke Street	3 -24-14	2- 1-16	914,400.25	79.6	Feb. 19, 1914
2	Alfred P. Roth	White Plains Road, Burke Street to 241st Street	1-13-14	11-24-15	958,484.00	100	Dec. 4, 1913
		Routes Nos. 16 and 18—Station Finish, Jerome Avenue and White Plains Road Lines					
..	Altoria Realty & Const. Co.	Jerome Avenue and White Plains Road Lines	10-13-15	4-13-16	860,636.50		
		Routes Nos. 19 and 22—Southern Boulevard and Westchester Avenue Extension					
1	Richard Carvel Co., Inc.	138th St. & Southern Boulevard, Alexander Ave. to 147th St.	10-22-12	2-22-16	2,253,281.75	78.3	Sept. 26, 1912 H
1-A	Rodgers & Hagerty, Inc.	Southern Boulevard and Whitlock Ave., 1475h St. to Bancroft St.	12-31-13	6-30-16	2,253,159.25	77	Dec. 11, 1913
		Routes Nos. 4 and 38—Seventh Avenue-Lexington Avenue Subway					
1-A	Rapid Transit Subway Construction Co.	South Ferry to Battery Place and Greenwich Street	9- 4-14	4- 4-17	474,244.00	59	June 18, 1914
1	Rapid Transit Subway Construction Co.	Greenwich St., Battery Pl. to Vesey St.	6-19-14	3-19-17	2,121,077.25	42	Apr. 30, 1914
2	Degnon Contracting Co.	West Broadway, Vesey to Beach St.	3-13-14	3-13-17	3,059,522.00	51	Dec. 11, 1913
3	Degnon Contracting Co.	Varick St. & 7th Ave. Ext., Beach to Commerce Street	12-31-13	12-31-16	2,185,063.50	75	Nov. 20, 1913
4	U. S. Realty & Imp. Co.	Seventh Ave., Commerce to 16th St.	4-17-14	4-17-17	1,837,726.50	45	Mar. 12, 1914
5	U. S. Realty & Imp. Co.	Seventh Ave., 16th to 30th Street	12-31-13	12-31-16	2,401,306.75	68	Nov. 20, 1913
6	Rapid Transit Subway Construction Co.	Seventh Ave., 30th to 43d Street	2-24-14	2-24-17	2,292,943.50	60	Jan. 8, 1914
6-A	Holbrook, Cabot & Rollins Corporation	Seventh Ave., 43d to 45th Street	8- 6-14	5- 6-17	421,566.00	91	May 28, 1914
		Route No. 48—Park Place, William and Clark Street Subway					
1	Frederick L. Cranford, Inc.	Park Place and Beekman St., West Broadway to William St.	12- 7-14	4- 7-17	1,571,363.50	26	Oct. 22, 1914
2	Smith, Hauser & MacIsaac, Inc.	William St., Beekman St. to Old Slip	12- 7-14	4- 7-17	2,254,670.00	46	
3	Assigned to Flinn-O'Rourke Co., Inc.	Old Slip, Manhattan, to Clark Street, Brooklyn	8- 6-14	2- 6-18	6,469,916.25	19.3	June 4, 1914
		Route No. 12—Eastern Parkway, Brooklyn, Subway					
1	Cranford Company	Flatbush Ave. & St. Felix St., Fulton St. to Prospect Place	7-17-14	1-16-17	2,195,296.25	30	June 25, 1914
1-A	Cranford Company	Flatbush Ave., Prospect Place to Plaza	5- 4-14	11- 4-16	2,225,519.25	54	Apr. 9, 1914
2	Inter-Continental Const. Co.	Eastern Parkway, Prospect Park Plaza to Nostrand Ave.	6-15-15	4-15-17	2,744,263.00	6	May 6, 1915
3	Rodgers & Hagerty, Inc.	Eastern Parkway, Nostrand Ave. to Buffalo Ave.	9-25-15	5-25-17	2,170,652.50	...	Aug. 5, 1915
		Route No. 29—Nostrand Avenue, Brooklyn, Subway					
1	Newman & Carey Co.	Nostrand Ave., Eastern Parkway to Church Ave.	8-20-15	5-20-17	2,073,303.20	...	July 1, 1915
2	Dock Contractor Co.	Nostrand Ave., Church to Flatbush Ave	10- 8-15	7- 8-17	1,692,370.70	...	Aug. 19, 1915
		Routes Nos. 36 and 37—Woodside, Astoria and Corona Elevated Line					
1	Snare & Triest	Queensboro Bridge Plaza, Jackson Ave. & Diagonal Street	10- 7-13	4- 3-16	884,859.00	71	Aug. 28, 1913
2	Cooper & Evans Company	Second Ave., Beebe Ave. to Ditmas Ave.	3-11-13	9-11-14	860,743.50	100	Feb. 13, 1913
3	E. E. Smith Contr. Co.	Queens Boulevard & Roosevelt Ave., Van Dam St. to Alburtis Ave.	3-11-13	1- 7-13	2,063,588.00	98	Feb. 13, 1913
		Routes Nos. 36 and 37—Queensboro Subway					
3	Murphy Bros.	Storm drain, Queens Boulevard, Hill St. to Gosman Ave.	.....	.....	7,421.25	..	
		Routes Nos. 36 and 37 and 50—Station Finish, Queensboro Subway Extension and Astoria and Corona Lines					
1 & 3 and Route 50	Snare & Triest Co.	Queensboro Subway Extension and Corona Line	10- 4-15	4- 4-16	609,885.00	...	Oct. 7, 1915
2	Charles Meads & Co.	Astoria Line	10- 5-15	4- 5-16	268,102.50	...	Oct. 7, 1915
		Routes Nos. 36 and 37 and 50—Track Installation, Queensboro Subway Extension and Astoria and Corona Lines					
..	Thomas Crimmins Contracting Co.	Installation of Tracks	.....	.....	204,798.10	...	
		Route No. 26—Queensboro Subway					
..	Rapid Transit Subway Construction Co.	Madison Ave. & 42d St., Manhattan, to Davis St., Queens	4-14-14	6-15-15	383,910.75	100	Feb. 26, 1914
		Route No. 50—Queensboro Subway Extension					
..	Degnon Contracting Co.	Davis St. & Ely Ave., Van Alst Ave. to Queensboro Bridge Plaza	13-31-13	1- 7-16	557,856.50	93	
		Route No. 50—Station Finish, Queensboro Subway Extension					
..	Station Construction Co.	Station finish for Hunter's Pt. Ave. station	.....	.....	2,999.99	...	
		44th Street Duct Line					
..	E. C. Moore	Duct line in 44th St. for Queensboro Subway	.....	.....	34,005.90	...	Oct. 21, 1915

Company Contracts

		Third-Tracking Elevated Railroads in Manhattan and The Bronx					
	Terry & Tench Co., Inc., Snare & Triest Co., and T. A. Gillespie Co.	Addition Tracks on Second, Third and Ninth Avenue Elevated Lines	2-13-14	8-13-15	(Cost plus)	...	1557

NEW YORK MUNICIPAL LINES

City Contracts

1	F. L. Cranford, Inc.	Trinity Place & Church Street, Morris to Fulton Street	9-27-12	1-27-16	$1,222,269.20	93	Sept. 19, 1912
1-A	F. L. Cranford, Inc.	Church & Vesey Streets & Broadway, Fulton Street to Park Place	9-27-12	1-27-16	982,740.70	95	Sept. 19, 1912
2	Degnon Contracting Co.	Broadway, Park Place to Walker St.	2- 6-12	6- 6-15	2,355,828.50	99.3	Feb. 1, 1912
2-A	O'Rourke Eng. Const. Co.	Broadway, Walker to Howard Street	7-17-12	11-17-15	912,351.60	95	Apr. 11, 1912
3	Underpinning & Foundation Company	Broadway, Howard to Bleecker Street	1-19-12	9-19-15	2,295,086.50	99.7	Jan. 18, 1912
4	Dock Contractor Company	Broadway, Bleecker St. to Union Sq.	8-19-13	8-19-16	2,578,078.00	91	July 10, 1913
		Routes Nos. 4 and 36—Broadway-Fourth Avenue Subway					
2	U. S. Realty & Imp. Co.	Broadway, 26th to 38th Street	7-23-14	3-23-17	2,657,004.50	43	May 7, 1914
3	Holbrook, Cabot & Rollins Corp.	Broadway and Seventh Ave., 38th to 51st St.	9- 8-15	5- 8-17	3,740,913.50	2	Aug. 5, 1915
4	Litchfield Construction Co.	Seventh Avenue, 51st to 59th St.	5-26-15	2-26-17	1,937,509.00	3	Aug. 6, 1914

Progress on Dual System Contracts—Continued

NEW YORK MUNICIPAL LINES

City Contracts

			Contract	Time	Amount	Per Cent. of Value of Work Com-	Item Bids Published in
		Route No. 33—Broadway-Fourth Avenue Subway					
1	Assigned to Flinn-O'Rourke Co., Inc.	Whitehall St., Battery Pl. to South St.	6-17-14	2-17-17	2,059,182.00	24	Apr. 23, 1914
2	Assigned to Flinn-O'Rourke Co., Inc.	Whitehall St., Manhattan, to Montague Street, Brooklyn	7-16-14	1-16-18	5,974,809.50	21.4	June 4, 1914
2	Flinn-O'Rourke Co., Inc.	Montague Street, Clinton Street to Flatbush Avenue Extension	10- 9-14	10- 9-17	3,395,152.00	11	Sept. 3, 1914
		Route No. 20—Canal Street Subway					
2	Underpinning and Foundation Co.	Canal St., Broadway to Bowery	7-16-14	3-16-17	1,822,994.25	44	May 21, 1914
		Routes Nos. 9 and 11—Fourth Avenue, Brooklyn, Subway					
Six sections	Wm. Bradley; Smith, Scott & Co.; Tidewater Building Co. & Thos. B. Bryson and E. E. Smith Con. Co.	Manhattan Bridge to 43d Street	11- 9-09	.....	*16,014,388.26	100	
		Platform Edge Reconstruction, Fourth Avenue Subway					
..	Irving Iron Works Co.	Reconstruction of edges, Manhattan Bridge to 26th Street	5-10-15	5-28-15	5,180.00	..	
		Route No. 9—Fourth Avenue, Brooklyn, Subway					
9 C-1	Samuel Beskin	Reconstruction of DeKalb Ave. Station	2- 5-15	9- 5-15	133,947.46	61.5	Dec. 10, 1914
		Removal of Temporary Sewer, Fourth Avenue Subway					
..	Norton & Gorman Con. Co.	Removal of temporary sewer from Section 11-EA-1	3-31-15	5-31-15	15,233.75	100	
		Track Installation, Fourth Avenue Subway					
..	Thomas Crimmins Contracting Co.	Laying of tracks from Manhattan Bridge to 86th Street. Materials furnished by the City	7-21-14	1-21-15	210,880.00	84.9	
		Route No. 11 B—Fourth Avenue, Brooklyn, Subway Extension					
1	Degnon Contracting Co.	Fourth Avenue, 43d to 61st Street	10- 4-12	11- 1-15	1,930,258.50	94.5	Sept. 26, 1912
2	Degnon Contracting Co.	Fourth Avenue, 61st to 86th Street	10- 4-12	11- 4-15	1,904,171.25	89	Sept. 26, 1912
		Station Finish, Fourth Avenue Subway					
..	Station Construction Co., Inc.	Six stations, 43d to 86th Street	8- 6-15	8- 1-15	251,133.72	99	
		Fourth Avenue Subway—Completion of Construction and Station Finish					
..	D. C. Serber	Hanson Place to Butler Street	6- 8-15	9- 8-15	40,676.25	69.7	
		Route No. 39—New Utrecht Avenue, Brooklyn, Elevated Line					
1	New York Municipal Railway Corporation	Fourth Avenue, 33d to 38th St.; Culver Cut, Fourth Ave. to Tenth Ave.	2- 3-14	8- 3-15	.....	99	
2	Post & McCord, Inc.	New Utrecht Ave., 86th St. & Stillwell Ave., 39th St. to Coney Island	12-31-13	11- 1-15	1,672,190.00	98.3	Dec. 4, 1913
		Route No. 39—Station Construction, New Utrecht Avenue Elevated Line (Sub-Contract under N. Y. M. Ry. Corp.)					
1	Snare & Triest Co.	9th Ave. station	7-15-15	.....	23,940.00	81	
1	Frank L. Davis	Station finish for 9th Ave. station	10- 8-15	1- 8-16	16,130.00	20	
		Route No. 39—Track Installation on New Utrecht Avenue Elevated Line					
2	Ward & Tully, Inc.	New Utrecht Ave., 38th St. to Coney Island	9-10-15	2-10-16	71,355.00	1.6	July 29, 1915
		Route No. 39—New Utrecht Avenue Station Finish					
2	A. L. Guidone & Son, Inc.	From 39th St. and Tenth Ave. to Coney Island	.....	.....	513,656.54	...	
		Route No. 49—Gravesend Avenue Elevated Line					
1	Post & McCord, Inc.	Gravesend Ave., 37th St. to Bay Parkway	9- 8-15	12- 8-16	877,959.00	...	Aug. 19, 1915
2	Oscar Daniels Co.	Gravesend Ave. and Shell Road, 22d Avenue to Avenue X	7-10-15	1-10-17	863,775.00	2.6	June 3, 1915
		Route No. 9-O—Centre Street Loop Subway					
..	Bradley Con. Co.; Cranford Co.; Degnon Con. Co.	Centre Street, Brooklyn Bridge to Williamsburg Bridge	1907	.....	**$12,884,896.49	100	
		Route No. 9-O—Centre Street Loop Reconstruction					
..	New York Municipal Railway Corporation	Centre Street, Brooklyn Bridge to Williamsburg Bridge	4-25-13	.....	325,000.00	100	
..	New York Municipal Railway Corporation	Centre Street, Brooklyn Bridge to Williamsburg Bridge	2- 3-14	11- 3-14	600,000.00 (Approximate)	99.5	

Company Contracts

		Sea Beach Line Reconstruction					
..	G. W. McNulty, Inc.	62d & 65th Streets, between Fourth Avenue and 86th Street	10- N-15	7- 6-15	1,877,525.00	100	
..	G. W. McNulty, Inc.	Extra work on Sea Beach Reconstruction	8-19-14	7-19-15	299,539.00	100	
..	Wilson & English Const. Co.	Construction of retaining walls and bridges	7-21-14	1-21-15	281,882.50	100	
..	Post & McCord, Inc.	Construction of stations	3- 9-15	9- 9-15	331,163.03	91	
		Lutheran Cemetery Line					
1	Cooper & Evans Company	Private right of way, Wyckoff Ave. to Fresh Pond Road	8-28-13	5- 8-15	245,870.00	100	
2	F. W. Burnham	Private right of way, Fresh Pond Road to about 1,050 feet east of Fresh Pond Road	2-27-14	7-27-14	143,225.40	100	
		Lutheran Cemetery Line—Station Construction					
..	F. W. Burnham	Construction of stations	7-22-14	4 mos.*	134,354.00	100	
		Liberty Avenue Elevated Line					
..	Phoenix Bridge Company	Liberty Avenue, from Borough line to Lefferts Avenue, Queens Borough	2- 9-14	2- 9-15	707,661.00	100	
..	P. J. Carlin Const. Co.	Construction of six stations on this line	1- 6-15	6 mos.*	232,000.00	91	
		Myrtle Avenue Addition Tracks					
..	Phoenix Bridge Co.	Steel for additional tracks, Willoughby to Wyckoff Ave.	.....	.....	.....	...	
		Myrtle Avenue-Broadway Connection					
..	Terry & Tench Co., Inc.	Myrtle Avenue, Broadway to Willoughby Avenue and private right of way between Broadway and Myrtle Avenue	7-18-13	1-18-14	110,411.50	100	
		Fulton Street Additional Tracks					
..	Miliken Bros.	Steel for additional tracks,, Nostrand Avenue to Sackman Street	3-20-14	1- 5-15	466,800.00	100	
..	Terry & Tench Co.	Erectors of above	6-16-14	6-16-15	462,871.50	100	
..	John Thatcher & Son	Construction of stations	3-22-15	3 mos.*	258,664.00	66	
		Broadway Elevated Line Additional Tracks					
..	McClintic-Marshall Co.	Steel for additional tracks, Havemeyer Street to Myrtle Avenue	8-14-14	4-14-15	193,000.00	100	
..	Terry & Tench Co., Inc.	Havemeyer Street to Myrtle Avenue	10-15-14	10-15-15	321,305.70	90	
		Street to Myrtle Avenue					
..	Lewis F. Shoemaker & Co.	Steel for additional tracks, Myrtle Avenue to Aberdeen Street	3-16-15	9-16-15	279,000.00	48	
..	The Jobson-Gifford Co.	Myrtle Ave. to Aberdeen St.	9-10-15	9-10-16	400,441.70	1	
..	John Thatcher & Son	Construction of stations	9- 7-15	3 mos.*	320,325.00	...	
		Jamaica Avenue Elevated Extension					
1	Post & McCord, Inc.	Crescent Street to Myrtle Avenue	3-18-15	1-18-16	734,340.00	12	
2	Connors Bros. Co.	Myrtle Ave. to Cliffside Ave.	.....	.....	726,168.40	...	
		Fresh Pond Road Yard—Installation of Tracks					
..	Charles A. Myers Contracting Co.	Grading, tracklaying, etc.	.....	.....	17,123.48	...	
		Steel for Third-Tracking and Other Improvements					
..	American Bridge Co.	Steel for Fulton St., Coney Island terminal, East New York yard and Brighton Beach line	.....	.....	2,273,700.00	...	

* Includes $200,000 for real estate.

John Adams, formerly engr. in charge of the local power house of the Eastern Wisconsin Ry. and Light Co., and L. A. Corwin, who until recently was chief engineer for the Harris Typewriter Co., have become associated in the steam and electrical engineering business. Their office is located in the McDermott Blk., Fond du Lac, Wis.

BUILDINGS—Continued from p. 379

Tex., Wichita Falls—Contract will soon be awarded for three-story, 50x150-ft. building for A. F. & A. M. Estimated cost, $50,000. Noted Dec. 9.

Okla., Ardmore—Plans prepared for freight and passenger depot for Gulf, Colorado & Santa Fé R.R. Estimated cost, $50,000. F. Merritt, Galveston, Ch. Engr.

Okla., Muskogee—A. F. & A. M. plan to build temple in Muskogee. Estimated cost, $75,000.

Colo., Denver—Plans being prepared by M. B. Biscoe, Arch., Exchange Bldg., for four-story children's hospital. Estimated cost, $150,000.

Idaho, Payette—Plans prepared by J. R. Walker, Arch., for three-story hotel. Estimated cost, $50,000.

Wash., Tacoma—Congregation of First M. E. Church plans to build one-story, 120x120-ft. edifice next spring. Estimated cost $90,000. Fulton & Butler, 51 West Main St., Uniontown, Penn., Arch.

Calif., Los Angeles—Plans prepared by Walter Webber, Arch., Ferguson Bldg., for one-, two- and three-story fireproof tourist hotel at Lake Tahoe for Anita M. Baldwin.

Ont., Windsor—Bids will soon be received by James Pennington, Arch., La Belle Bldg., for three-story addition to school for Board of Education. Estimated cost, $100,000. A. Courtney, Secy., Bd. of Education.

Bids In and Contracts Awarded

N. H., Manchester—(Official)—Contract for isolation hospital at Derryfield Park awarded to GEORGE BAKER LONG, Worcester, Mass., at $60,150. Noted Nov. 25.

Mass., Boston—Contract for six-story, 50x70-ft. mercantile building on Elm St. for Daniel P. Collins, 7 Water St., awarded to NATHAN HURWITZ, 26 Wolcott St., Dorchester. Estimated cost, $40,000.

Mass., Boston—(Somerville)—Contract for three-story school for St. Ann's Roman Catholic Church awarded to McGAHEY & O'CONNOR, Main St., Cambridge. Estimated cost, $50,000.

Mass., Boston—(Dorchester)—Bids were received Dec. 10 for new school, in Oliver Wendell Holmes District, Dorchester, as follows: P. H. Rose Construction Co., Boston, $159,735; John Bowen, 874 Morton St., Milton, $159,844; D. R. McKillop, 137 West Brookline St., Boston, $169,300. Noted Oct. 14.

Mass., Fall River—(Official)—General contract for remodeling City Home awarded to JOHN CROWE, INC., at $89,875. A. J. Dolan, Supt. Noted Nov. 4 and 25.

Conn., Hartford—(Official)—Contract for four-story office building for Phœnix Insurance Co. awarded to CAULDWELL-WINGATE CO., 381 Fourth Ave., New York, N. Y. Noted Oct. 14.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for court, jail and detention home for women at 135-41 West 39th St. for City of New York awarded to EMERSON BUILDING CO., 103 Park Ave., New York. Estimated cost, $365,000. Noted Mar. 25 and Aug. 26.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for temple at 150th St. near Broadway for Mt. Neboh Congregation awarded to J. A. ZIMMERMAN & SON, INC., 18 East 41st St., New York. Estimated cost, $80,000. Noted Sept. 30 and Nov. 25.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for alterations to office building at Broadway and Rector St. for O. B. Potters Co., Inc., 71 Broadway, awarded to MARC EIDLITZ & SON, 30 East 42d St., New York. Noted Oct. 28.

N. J., Paulsboro—Contract for two-story school awarded to E. P. HENRY, Woodbury. Noted Oct. 21.

N. J., Spring Lake—Contract for five-story, 42x76-ft. addition to New Monmouth Hotel awarded to H. H. MOORE, Spring Lake. Estimated cost, $45,000. Noted Nov. 11.

Penn., Nanticoke—Contract for building for First M. E. Church awarded to NANTICOKE CONSTRUCTION CO., Nanticoke. Estimated cost, $40,000.

Penn., Philadelphia—Contract for six-story, 259x400-ft. loft building at 2nd and Market St. for Kahn & Greenberg awarded to TURNER CONCRETE STEEL CO., Philadelphia. Estimated cost, $500,000. Noted Nov. 25.

Penn., Pittsburgh—Diamond Country Market awarded contract for restaurant, arcade and market to N. V. WATSON, 215 Fourth Ave., Pittsburgh. Estimated cost, $110,000.

Va., Danville—H. A. OSBORNE & SONS, Danville, at about $40,000, awarded contract for Y. M. C. A. building for Riverside and Dan River Cotton Mills.

Ga., Savannah—F. McRAE, Savannah, awarded contract for remodeling courthouse at Bull and President St. for municipal court. Estimated cost, $50,000.

Tenn., Chattanooga—Contract for campus building for University of Chattanooga awarded to T. S. MOUDY & CO., Chattanooga, at $53,100. Noted Oct. 14.

Tenn., Nashville—(Official)—All bids received Dec. 4 for dormitories and administration building for State Polytechnic School rejected. Plans will be revised and new bids received. Estimated cost, $125,000. Noted Dec. 2.

Ohio, Cleveland—Contract for hotel on East 61st St. for G. W. Crile awarded to C. N. GRIFFIN CO., 3111 Carnegie Ave., Cleveland, at about $100,000. Noted Oct. 21 and Dec. 2.

Ohio, Cleveland—Contract for restaurant and store building for Peter Schmitt, Lake Shore Blvd., awarded to L. A. WEISMAN, 868 East 95th St., Cleveland. Estimated cost, $45,000.

Ind., Indianapolis—Contract for gymnasium for University of Indiana awarded to A. E. KEMMER, La Fayette, at $167,200.

Ind., Indianapolis—Contract for library at Meridian and St. Clair St. for city awarded to GEORGE H. FULLER & CO., Chicago, Ill.

Ind., Owensville—Contract for township school awarded to WALTER VAN HOY, Loogootee, Ind., at $54,800. Noted Oct. 7.

Mich., East Lansing—Contract for gymnasium at Michigan College of Agriculture awarded by State Board of Agriculture to HOERST CONSTRUCTION CO., Grand Rapids, at $149,000. Noted Nov. 11.

Mich., Kalamazoo—(Official)—Contract for Nurses' Home for Kalamazoo State Hospital awarded to J. J. WOLFFE. Estimated cost, $56,000. Noted Dec. 2.

Minn., Minneapolis—Contract for theater at 1021 East Franklin Ave. for C. E. Marr awarded to CHARLES E. HOAGSTROM. Estimated cost, $40,000.

Minn., St. Paul—(Official)—GEORGE J. GRANT CONSTRUCTION CO., St. Paul, at $397,324, awarded contract for Minnesota Historical Society Building. Noted Oct. 28 and Dec. 2.

Neb., Florence—Contract for administration building for House of Hope awarded to THOMAS HERD, Florence. Estimated cost, $50,000.

Mo., Kansas City—Contract for theater, store and office building for Altman Realty Co., Altman Bldg., awarded to MARTIN CARROLL CONSTRUCTION CO., 1118 McGee St., Kansas City. Estimated cost, $100,000.

Mo., St. Joseph—(Official)—Contract for five-story building at Eighth and Felix St. for Bartlett Bros. Land and Loan Co. awarded to HOGGSON BROS., Chicago, Ill. Noted Dec. 2.

Tex., Greenville—SHEPPARD BROS. awarded contract for administration building for Wesley College. Estimated cost, $50,000. Noted Dec. 9.

Tex., Houston—Contract for Taylor School awarded to REINHART & DONOVAN, Oklahoma, Okla., at $56,000. Noted Nov. 4 and 9.

Calif., Suisun—Contract for school awarded to H. L. PETERSON, San Francisco, at about $40,000.

B. C., Vancouver—Contract for depot for Great Northern Ry. Co. awarded to COAST CONTRACT CO., Vancouver. Estimated cost, $750,000. Noted Dec. 2.

Contractors' Efficiency Course—A number of New York City contractors are getting together, under the direction of the Emerson Institute, of which Harrington Emerson, the efficiency engineer, is dean, to study efficiency and scientific management methods as applied to contracting and engineering work. This is probably the first concerted attempt ever made by a number of contractors to get together and study the possibilities of the so-called "efficiency movement." A course of 16 sessions has been laid out, to be held in the rooms of the Packard School, 35th St. and Lexington Ave., beginning Jan. 10, 1916. The sessions will be divided into two parts, lecture and laboratory. The lectures will summarize what has been done by such men as Mr. Emerson, Frederick W. Taylor, Frank B. Gilbreth, along the lines of organization, motion study and standardization of conditions and operations in engineering construction. The laboratory work will give the students actual practice in the methods of analyzing operations, hunting down waste motion and eliminating it, making motion studies, etc. The solution of two or more problems of this nature will be required in connection with each laboratory period. Among the reference books to be used are Gilbreth's Motion Study, Field System, Bricklaying System, Primer of Scientific Management, Taylor's Principles of Scientific Management, Taylor and Thompson's Concrete Costs, Gillette's Cost Data, Hauer's Economics of Contracting, Davies' Engineering Office Systems and Methods, Emerson's Efficiency. Only contractors and their men will be admitted to the course. The instructor will be George F. Barber, president of the Efficiency Club of New York, who has been associated with Mr. Emerson for several years as a teacher of efficiency.

Blaine S. Smith, Gen. Sales Mgr., Universal Portland Cement Co., Chicago, Ill., was elected General Secretary of the Chicago Association of Commerce at the annual meeting, Dec. 8. He has served the association actively for several years as chairman of the Illinois Committee and until now as chairman of the Ways and Means Committee Council. Mr. Smith has an enviable record of achievement, both in his association work and as head of the sales organization of the Universal Portland Cement Co., to which position he was appointed early this year.

Edwin G. Booz, former statistician of the Produce Corporation, of Chicago, Ill., has recently organized the Business Research Service and has been made its Director. This service is the first of its kind in the Central West and is designed to meet the new demand on the part of manufacturers, sales and advertising managers and advertising agencies for a skilled research service in the field of business. Particular attention will be paid to the subject of investigating market conditions in different fields and industries, and also to making studies and investigations for trade and commercial organizations of various kinds. Mr. Booz has served as director of the Research Department of the largest woman's magazine in its field, also for a large Chicago newspaper and several corporations in the East. The offices of the Business Research Service are located in the Otis Bldg., Chicago.

CATALOG NOTICES

The Terry Steam Turbine Co., Hartford, Conn. Bulletin No. 20. "The Terry Turbine." Illustrated, 8 pp., 8½x11 in.

American Clay Machinery Co., Bucyrus, Ohio. Catalog. Steam shovels. Illustrated, 40 pp., 8x11 in. Catalog. Haigh continuous kiln. Illustrated, 32 pp., 8½x10½ in.

Carnegie Steel Co., Pittsburgh, Penn. Pamphlet. "Steel Sheet Piling—Tables and Data on the Properties and Uses of Sections." Illustrated, 96 pp., 5x7½ in.

Pelton Water Wheel Co., San Francisco, Calif. Circulars printed in English, Spanish and Portuguese. Pelton water wheels adapted for different purposes. Illustrated, 4 pp., 7½x10½ in.